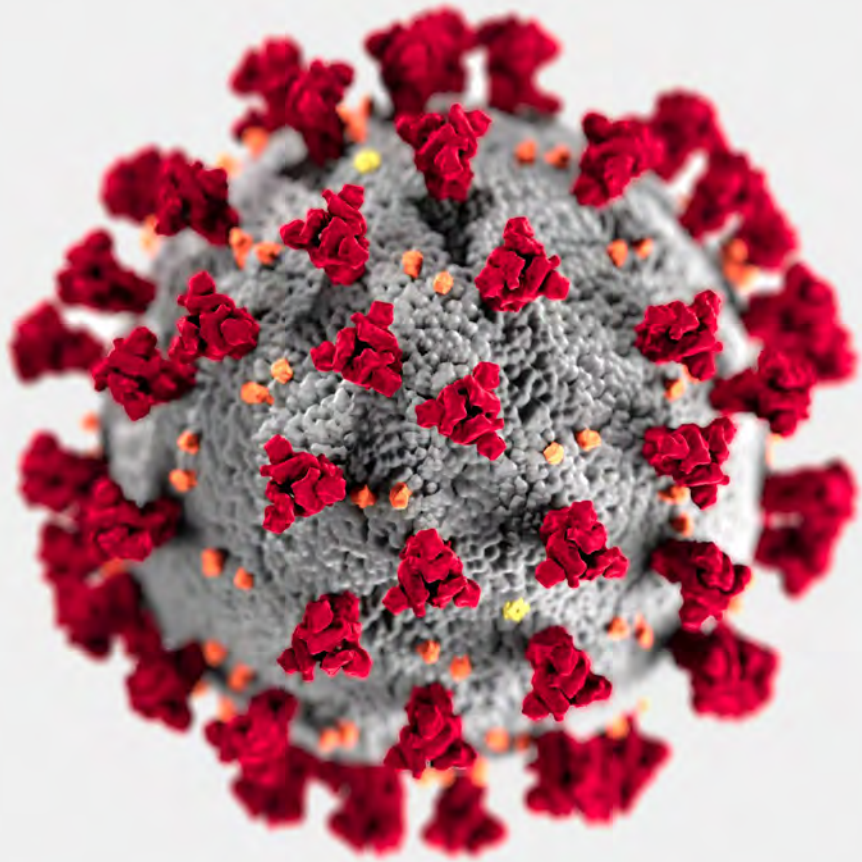
MATRIKS BIOTEK

20 years experience"

innovation for health & wellness



CORONA HUNTER®

"For Discovery and Better Understanding"

"real quantitative ELISA kits for Sars-Cov-2 for measuring the "absolute" values of Immunoglobulin G, A, M, E antibodies

www.matriksbiotek.com

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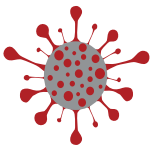
Matriks Biotek®, with a high experience in measuring IgG levels, is the first global company to produce and commercialize SHIKARI® ELISA kits for measuring monoclonal antibody based biological drugs and anti-drug antibodies levels since 2008.

CORONAHUNTER® "real" quantitative ELISA kits
for Sars-Cov-2 are now available to measure the "absolute" values of
Immunoglobulin G,A,M,E antibodies!

WHY

"Real" Quantitative CORONAHUNTER® ELISA Kits



ARE ADVANTAGEOUS?

The absolute measurement unit for immunoglobulins are mg/ml or mol/L and this allows harmonizing the results all over the laboratories of the globe.

The real quantitative test determines the absolute amount of IgG in the sample. Qualitative analysis is the detection or identification of the constituent elements in the sample, semiquantitative analysis is the estimation of their approximate concentrations expressed such as AU (Arbitrary Unit), and quantitative analysis is the accurate determination of their concentrations.

The absorbance method with results that exceed the threshold limit defined as 2 SD above the mean of the reference group of normal subjects or the ratio of OD test/OD background or the results of the OD of the test specimens may be reported as a percent of the OD of a standard positive serum or a pool of highly positive sera. All these methods are hardly comparable and different results can be derived for several reasons: Firstly, absorbance values of a negative reference sample may vary significantly in inter-laboratory assays;

Secondly, the entity of the positive values of sera can depend on the choice of the positive reference sera, since if it is too high, the specificity of the method results can be considerable but the sensitivity will be low. Moreover, to maintain reproducibility the reference sera theoretically should be always the same. An attempt to circumvent some of these problems many laboratories employ as reference serum a large quantity of pooled, highly positive sera, frozen in small aliquots that can ensure a certain reproducibility over several months. In the case of a pandemic with high demand it is difficult to maintain the sustainability.

The standards used in the "Real" Quantitative CORONAHUNTER® ELISA Kits are human monoclonal antibodies to spike or nucleocapsid proteins of coronavirus depending on the test system. By the virtue of this, accurate determination of Immunoglobulin G,A,M,E antibody concentrations which is expressed as gr/ml gives the correct information and enables sustainability and harmonization among the tests.

Serology Surveillance

Humoral immune response to Sars-Cov-2 characterized by primary IgM responses and followed by adoptive humoral and comprised of IgG, IgA, and IgE antibodies.

There are several ongoing studies to determine whether positive serologic tests are indicative of protective immunity against SARS-CoV-2.

By using Quantitative CORONAHUNTER® ELISA Kits that measures absolute immunoglobilin G, A, M, E antibody levels following questions can be answered:

• Assessing the level of antibodies required for protection from reinfection,the duration of that protection, and the factors associated with development of a protective antibody response,

• The kinetics of antibody response, Longevity of antibodies to RBD, Spike1 and nucleocapsid proteins

• The ability of antibodies to protect from repeat infection,

• The protective titer of neutralizing antibody,

• The correlation of binding antibody titers to neutralization ability,

• Spike1 or RBD/nucleocapsid, RBD/S1 antibody ratios,

On the epidemiologic basis, following questions can also be answered by usingQuantitative CORONAHUNTER® ELISA Kits:

• Assessing the level of antibodies required for protection from reinfection,the duration of that protection, and the factors associated with development of a protective antibody response,

• (How much of the population has been infected with the virüs causing COVID-19 (SARS-CoV-2) ?

• How is this changing over time?

• Are there different characteristics, or risk factors, that are associated with SARSCoV- 2 infection, such as age, location, or underlying health conditions?

• How many people experienced mild or asymptomatic COVID-19 illness?

• How long can antibodies be found after a COVID-19 infection?

Allergy, Atopy and IgE Response to Covid-19:

Atopy is an exaggerated IgE-mediated immune response; all atopic disorders are type I hypersensitivity disorders. Allergy is any exaggerated immune response to a foreign antigen regardless of mechanism. There is a genetic predisposition to induce Type 2 immune response following exposure to environmental antigens which includes viral antigens. Such as respiratory virus infections can trigger allergic exacerbations.

In the course of Covid-19 infection allergy may play protective role during COVID-19. Allergic subjects with eosinophilia were less affected by COVID-19. In contrast, eosinopenia was reported frequently in decreased in COVID-19 patients and was
considered as predictor of disease outcome.

ACE2 expression was also found to be inversely related to allergic sensitization and type 2 biomarkers such as IgE levels.

Anaphylactic reactions have been reported following COVID-19 vaccination and the etiology for the cases of anaphylaxis probably involves IgE-mediated (allergic/anaphylactic) reaction to polyethylene glycol (PEG). Allergic responses to other factors such as specific glycosylated Sars-Cov-2 RBD proteins awaiting to be elucidated.

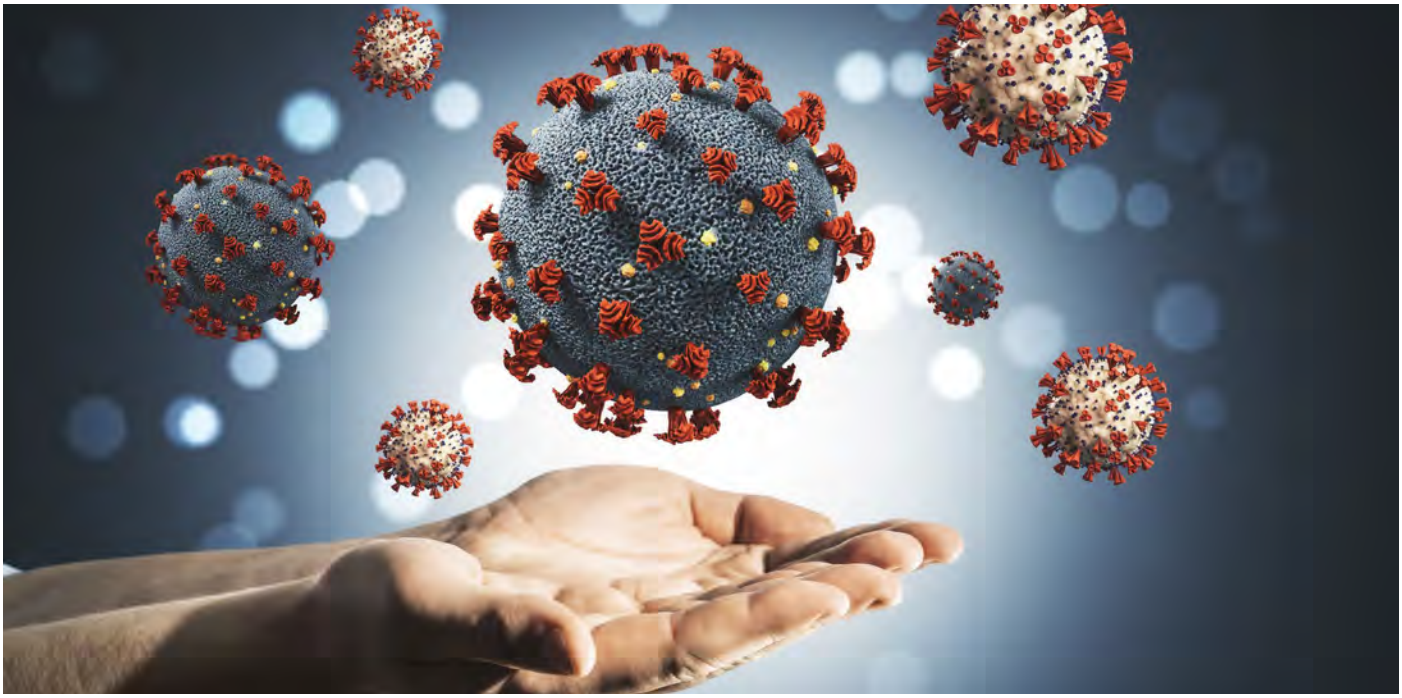
SARS-CoV-2 infection is widely spread, and COVID-19 is clinically heterogeneous with different disease course and outcomes. Cytokine storm is one of the most important factors for severe and critically ill COVID-19. IFN-I insufficiency may contribute also to the severe outcome of this disease. The relationship between allergy and SARSCoV-2 is still not fully understood and need to be investigated further.

For discovery and better understanding of Covid-19 for the first time Matriks Biotek® developed and launched two CORONAHUNTER® ELISA kits for "real" quantitative determination of absolute IgE values for Spike RBD and Spike S1 protein of Sars-Cov-2.

Vaccination follow-up

Most of the vaccines designed to produce antibodies against Receptor Binding Domain (RBD) of spike protein of SARS-COV-2 when administered to humans. Follow up the antibody amount in vaccinated persons is incredibly important. By measuring the amount of antibody to protect from the disease facilitates the timing of vaccine booster if there is a loss of immunity. Time depended surveillance will be necessary for protection from the virus. Follow-up can be done prior to vaccination and after the vaccination by using CORONAHUNTERTM (Q-CORSRBD) Anti-SARS-Cov-2 SPIKE RBD IgG ELISA. To understand if the vaccinated person is infected with the virus CORONAHUNTERTM (Q-CORS1) Anti-SARS-Cov-2 SPIKE 1 IgG ELISA and/or CORONAHUNTERTM (Q-CORN) Anti-SARS-Cov-2 Nucleocapsid IgG ELISA can be used also to follow-up the immune response to infection at the same time. Apart from IgG response to vaccines IgM and IgA levels can provide important information about acute and mucosal response and IgE based allergic response. These measurement will provide better understanding of our immune responses not only to vaccine but to infection as well.

For vaccine producers if needed custom ELISA kits can be developed by using vaccine protein.



Matriks Biotek® CORONAHUNTER® ELISA Kits

Delivery is at room temperature and storge is at 4 C,

All liquid and stabilized ready to use reagents,

Kits are in 96 well format and you can run as much as 96 samples from each kit,

Kit contains 6 Standards and High-level and Low-level controls,

Time saver: Short incubation times (105 min.),

Low sample volumes (5 ml),

Assay buffer, wash buffer, substrate solution and stop solution are same in all three kits,

Suitable for automation

All CORONAHUNTER® ELISA kits are produced under ISO 13485 quality system and have CE IVD mark.

MATRIKS BIOTECHNOLOGY®

Matriks Biotechnology® is a biotechnology company that conducts research on biotechnology, developing products and offering its products at global scale helping people to lead a better life.

Matriks Biotechnology is a medical biotechnology company founded by Prof. Haluk Ataoglu MD, PhD (Microbiology & Immunology) in 2002. He is an academic turned founder and CEO of the company. Company conducts research on life sciences and biotechnology, develops and offers its products at a global scale for helping people to lead a better life. The company is celebrated its 20th anniversary in the year of 2022.

Matriks Biotek® globally is the first company to produce and to commercialize ELISA kits to monitor biological drugs under the brand name of SHIKARI® since 2008 and with its products creating a world market for therapeutic drug monitoring for large molecules.

As indicated by published records in this field, measurement of trough levels of the patients receiving the drug enables us to understand the drug levels are at the optimal dose range or not is critical. If the dose is higher than optimal dose, dosing intervals can be adjusted for longer periods or the dose is reduced to gain optimal dosage. If there is loss of response (LOR) then trough levels will be measured below the effective dose and in this case, dose can be increased and anti-drug antibody (ADA) assay should be used to see if there is ADA that may lead to change to a different available biological drug. Monitoring biological drugs enable the valuable biologics to be used effectively and safely. Proactive biological drug monitoring also has immense importance on cost effectiveness, minimum of 10% in expenditure of biological drugs thus it has a very considerable impact on the economy. Also, offering tests along with the biological drugs may convince social security companies and governments if proper usage and cost effectivity is an issue.

After the pandemic started, the company has done extensive research and developed the most informative "real quantitative" 16 CoronaHunter® ELISA kits which are unique in the market. Kits measures immunoglobulin G, A, M and E values to STRIMER, Spike S1, Spike RBD and Nucleocapsid proteins of Covid-19. Accurate determination of Immunoglobulin G, A, M and E antibody concentrations which are expressed as ↔gr/ml give the correct information that enables sustainable and harmonized results among the tests performed. IgE measuring kits are the only kits in the market to measure specific allergies to covid 19 proteins.

All kits are validated by using panel sera and various other sera obtained from The National Institute for Biological Standards and Control (NIBSC is the world's major producer and distributor of WHO international standards and reference materials). It is the first time The National Institute for Biological Standards and Control panel standard values are measured and expressed as ↔g/ml "absolute" values providing valuable information for comparisons and enabling harmonization of the results.

Recently by using CoronaHunter® COR-QNS-IGG-SRBD KIT we have measured the WHO international standards and reference materials' "absolute values" of the 5 panel sera (20/268) and the results are given as ↔gr/ml to allow comparison and harmonization of the results between the laboratories. https://www.linkedin.com/feed/update/urn:li:activity:6885241659429408768/

Company has 91 different ELISA kits for 36 biological drugs and 16 different ELISA kits for the determination of Covid-19 antibodies in the market with a total of 106 products. These are the highest number and variety of products with highest quality and unique in these respective fields. Also, there are new kits in our pipeline under the SHIKARI® brand that will be launched in the coming days. There are over 160 publications that were written by using SHIKARI® and CoronaHunter® brands ELISA kits.

Matriks Biotek® is one of the rare biotechnology companies in the world positioning itself as an R&D company that allocates half of its revenue to R&D investments by conducting continuous R&D and selling its products directly or with qualified distributor partners with its own brand or through OEM agreements.

Production is conducted with expert scientists in accordance with ISO 13485:2016 quality management system and the company has CE-IVD mark for all their products for Europe.

Our aim at the company is to focus on exporting products worldwide. Company is exporting more than 95% of its production over forty countries some of them namely USA, European Union, China, South Korea, Israel, Saudi Arabia, Japan, Iraq, Norway, Russia, Canada, Taiwan, Ireland, United Kingdom, Australia and New Zealand. The company also has provided its products over thirty pharmaceutical companies that are producing biosimilar drugs. Our company is open to institutional co-operations.

PRODUCTS

CORONA HUNTER®

"For Discovery and Better Understanding"

IgG
ELISA KITS

CORONA HUNTER®

"For Discovery and Better Understanding"

Q-CORS$_{RBD}$ IgG

Anti-spike RBD IgG ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

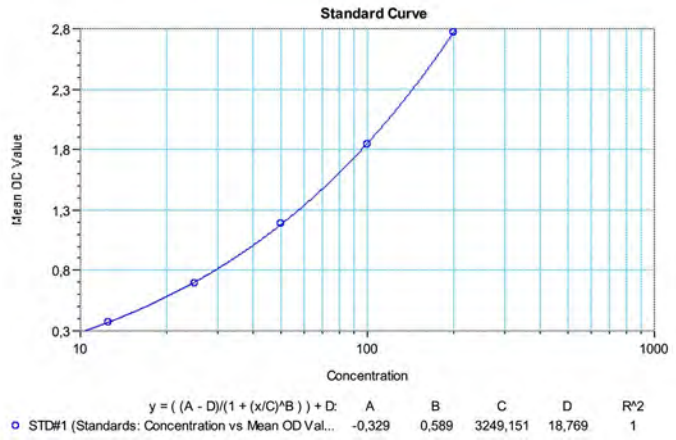
CORONAHUNTER® Q-CORSRBD ELISA

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgG in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgG in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgG!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

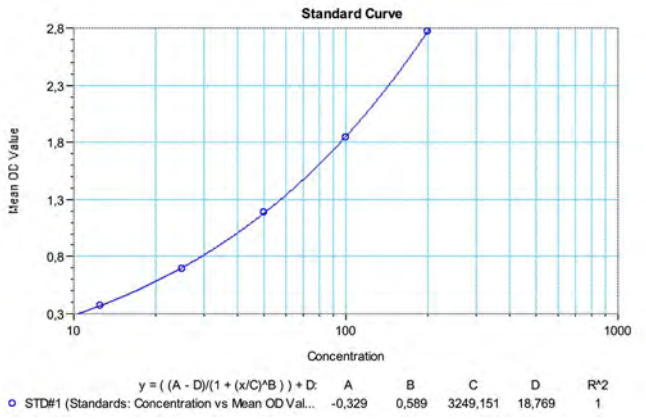
*The National Institute for Biological Standards and Control (NIBSC) is the world's major producer and distributor of WHO International standards and reference materials.



Catalog Number/Code	**Q-CORSRBD IgG** COR-QNS-IGG-SRBD
Required Volume (µl)	5
Total Time (min)	10
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	6,25
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

MATRIKS BIOTEK

Anti-SARS-Cov-2 SPIKE RBD IgG ELISA



STATISTIC	VALUE	95% CI
Sensitivity	100.00%	85.18% to 100.00%
Specificity	100.00%	76.84% to 100.00%
Positive Likelihood Ratio		
Negative Likelihood Ratio	0.00	
Disease prevalence (*)	62.16%	44.76 to 77.54%
Positive Predictive Value (*)	100.00%	
Negative Predictive Value (*)	100.00%	
Accuracy (*)	100.00%	90.51% to 100.00%

NIBSC 20/B764 CUT-OFF Conc ng/ml	NIBSC 20/162 Positive Control Conc ng/ml	NIBSC 20/130 Conc ng/ml
989	25597	7041

SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,208	7,26	100	726	POSITIVE
2	0,293	10,84	100	1084	POSITIVE
3	1,418	80,05	100	8005	POSITIVE
4	1,233	64,22	100	6422	POSITIVE
5	1,265	66,76	100	6676	POSITIVE
6	1,082	53,07	100	5307	POSITIVE
7	0,822	36,69	100	3669	POSITIVE
8	1,076	52,70	100	5270	POSITIVE
9	1,841	129,67	100	12967	POSITIVE
10	1,482	86,23	100	8623	POSITIVE
11	0,457	18,06	100	1806	POSITIVE
12	0,46	18,21	100	1821	POSITIVE
13	0,514	20,73	100	2073	POSITIVE
14	0,303	11,25	100	1125	POSITIVE
15	0,634	26,57	100	2657	POSITIVE
16	0,328	12,31	100	1231	POSITIVE
17	0,998	47,47	100	4747	POSITIVE
18	1,87	133,97	100	13397	POSITIVE
19	0,586	24,17	100	2417	POSITIVE
20	0,575	23,62	100	2362	POSITIVE
21	1,048	50,74	100	5073	POSITIVE
22	1,037	50,00	100	5000	POSITIVE
23	0,752	32,78	100	3278	POSITIVE
24	0,102	2,94	100	294	NEGATIVE
25	0,069	1,55	100	154	NEGATIVE
26	0,083	2,13	100	212	NEGATIVE
27	0,072	1,67	100	167	NEGATIVE
28	0,059	1,15	100	115	NEGATIVE
29	0,059	1,13	100	113	NEGATIVE
30	0,094	2,58	100	258	NEGATIVE
31	0,077	1,88	100	188	NEGATIVE
32	0,097	2,73	100	273	NEGATIVE
33	0,087	2,29	100	229	NEGATIVE
34	0,07	1,60	100	159	NEGATIVE
35	0,055	0,95	100	95	NEGATIVE
36	0,053	0,86	100	86	NEGATIVE
37	0,09	2,44	100	244	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

STANDARDS	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standart A	200	212,34 189,991 198,006	A1 A2 A3	2,254 2,166 2,199	2,206	0,045	2
Standart B	100	102,001 98,132 100,874	B1 B2 B3	1,630 1,596 1,620	1,615	0,018	1,2
Standart C	50	51,229 50,377 47,356	C1 C2 C3	1,055 1,042 0,997	1,031	0,031	3
Standart D	25	24,864 26,029 24,929	D1 D2 D3	0,600 0,623 0,601	0,608	0,013	2,2
Standart E	12,5	12,485 12,442 12,252	E1 E2 E3	0,332 0,331 0,326	0,329	0,003	0,9
Standart F	6,25	5,829 6,565 6,388	F1 F2 F3	0,173 0,191 0,187	0,183	0,009	5,1
Standart G	0	0 0 0	G1 G2 G3	0,059 0,069 0,070			

STANDARDS	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,876	39,851	40,38	0,749	1,9	26,25 - 48,75 ng/ml
	H2	0,894	40,91				
High Control	H3	1,924	142,533	142,533	0	0	105 - 195 ng/ml

Negative samples mean OD	0,076	Negative samples STD deviation	0,016	CUT-OFF OD value	0,109	NIBSC CUT-OFF OD value	0,271

Q-CORS1 IgG

Anti-S1 IgG ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

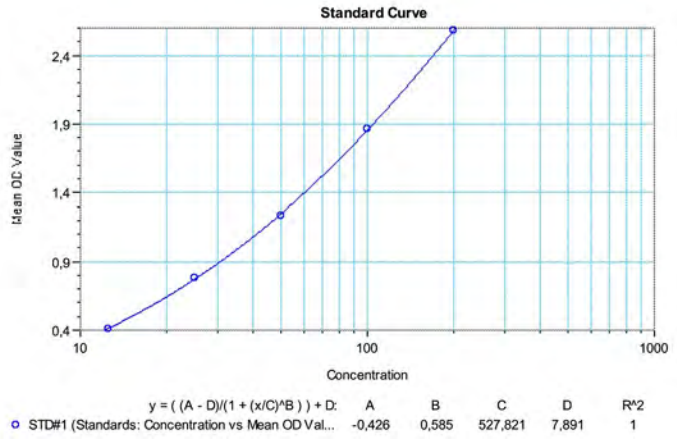
CORONAHUNTER® Q-CORS1 ELISA

Enzyme immunoassay for the quantitative determination of anti-S1 IgG in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 ELISA has been especially developed for the quantitative analysis of anti-S1 IgG in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgG!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

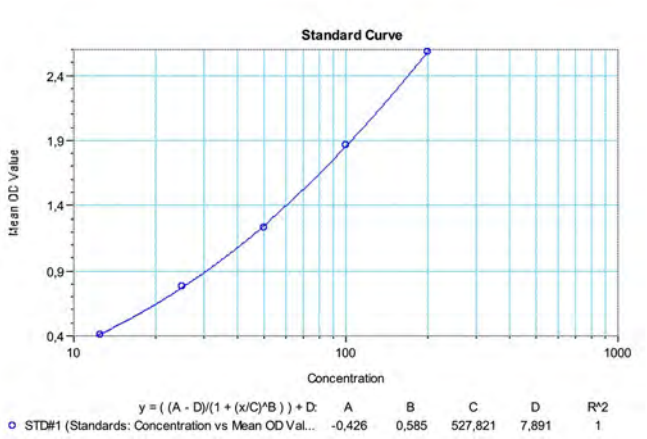
*The National Institute for Biological Standards and Control (NIBSC) is the world's major producer and distributor of WHO International standards and reference materials.



Catalog Number/Code	**Q-CORS1 IgG** COR-QNS-IGG-S1
Required Volume (µl)	5
Total Time (min)	100
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	6,25
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

MATRIKS BIOTEK

Anti-SARS-Cov-2 SPIKE 1 IgG ELISA



STATISTIC	VALUE	95% CI
Sensitivity	100.00%	85.18% to 100.00%
Specificity	100.00%	76.84% to 100.00%
Positive Likelihood Ratio		
Negative Likelihood Ratio	0.00	
Disease prevalence (*)	62.16%	44.76 to 77.54%
Positive Predictive Value (*)	100.00%	
Negative Predictive Value (*)	100.00%	
Accuracy (*)	100.00%	90.51% to 100.00%

NIBSC 20/B764 CUT-OFF Conc ng/ml	NIBSC 20/162 Positive Control Conc ng/ml	NIBSC 20/130 Conc ng/ml
1318	38026	15573

SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,265	8,59	100	859	POSITIVE
2	0,431	15,50	100	1550	POSITIVE
3	2,090	200,58	100	20058	POSITIVE
4	1,686	122,28	100	12228	POSITIVE
5	1,770	135,43	100	13543	POSITIVE
6	0,860	39,09	100	3909	POSITIVE
7	0,887	40,89	100	4089	POSITIVE
8	1,222	67,43	100	6743	POSITIVE
9	2,335	274,14	100	27414	POSITIVE
10	1,962	171,31	100	17131	POSITIVE
11	0,608	24,15	100	2415	POSITIVE
12	0,614	24,49	100	2449	POSITIVE
13	0,641	25,91	100	2591	POSITIVE
14	0,430	15,43	100	1543	POSITIVE
15	0,797	35,05	100	3505	POSITIVE
16	0,414	14,75	100	1475	POSITIVE
17	1,307	75,61	100	7561	POSITIVE
18	2,186	226,37	100	22637	POSITIVE
19	0,830	37,14	100	3714	POSITIVE
20	0,954	45,54	100	4554	POSITIVE
21	1,309	75,79	100	7579	POSITIVE
22	1,352	80,28	100	8028	POSITIVE
23	1,048	52,62	100	5262	POSITIVE
24	0,116	3,35	100	335	NEGATIVE
25	0,069	1,95	100	194	NEGATIVE
26	0,094	6,00	100	267	NEGATIVE
27	0,071	2,00	100	200	NEGATIVE
28	0,062	1,73	100	173	NEGATIVE
29	0,074	2,09	100	209	NEGATIVE
30	0,115	3,34	100	334	NEGATIVE
31	0,088	2,49	100	249	NEGATIVE
32	0,114	3,31	100	331	NEGATIVE
33	0,095	2,72	100	272	NEGATIVE
34	0,062	1,74	100	174	NEGATIVE
35	0,057	1,60	100	159	NEGATIVE
36	0,052	1,44	100	144	NEGATIVE
37	0,115	3,35	100	334	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

STANDARDS	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standart A	200	192,765 201,855 205,871	A1 A2 A3	2,058 2,095 2,111	2,088	0,027	1,3
Standart B	100	96,522 106,892 96,424	B1 B2 B3	1,496 1,577 1,495	1,523	0,047	3,1
Standart C	50	51,662 52,222 46,63	C1 C2 C3	1,036 1,043 0,969	1,016	0,041	4
Standart D	25	24,147 25,749 25,037	D1 D2 D3	0,608 0,638 0,625	0,624	0,015	2,4
Standart E	12,5	12,677 12,558 12,13	E1 E2 E3	0,366 0,364 0,353	0,361	0,007	1,9
Standart F	6,25	5,951 6,452 6,43	F1 F2 F3	0,193 0,207 0,207	0,202	0,008	3,9
Standart G	0	0 0 0	G1 G2 G3	0,08 0,108 0,104			

STANDARDS	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,836	37,491	37,436	0,078	0,2	26,25 - 48,75 ng/ml
	H2	0,834	37,381				
High Control	H3	1,917	162,108	162,108	0	0	105 - 195 ng/ml

Negative samples mean OD	0,085	Negative samples STD deviation	0,024	CUT-OFF OD value	0,132	NIBSC CUT-OFF OD value	0,378

Q-CORN IgG

Anti-nucleocapsid IgG ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORN ELISA

Enzyme immunoassay for the quantitative determination of anti-nucleocapsid IgG in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN ELISA has been especially developed for the quantitative analysis of anti-nucleocapsid IgG in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgG!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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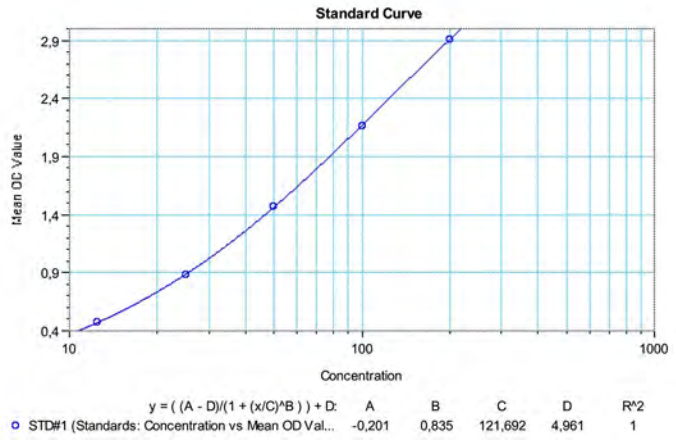
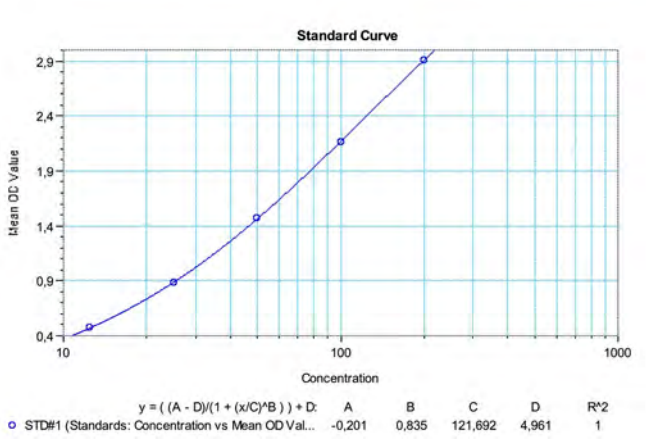


Catalog Number/Code	**Q-CORN IgG** COR-QNS-IGG-NCP
Required Volume (µl)	5
Total Time (min)	100
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	6,25
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

MATRIKS BIOTEK

Anti-SARS-Cov-2 Nucleocapsid IgG ELISA



STATISTIC	VALUE	95% CI
Sensitivity	100.00%	85.18% to 100.00%
Specificity	100.00%	76.84% to 100.00%
Positive Likelihood Ratio		
Negative Likelihood Ratio	0.00	
Disease prevalence (*)	62.16%	44.76 to 77.54%
Positive Predictive Value (*)	100.00%	
Negative Predictive Value (*)	100.00%	
Accuracy (*)	100.00%	90.51% to 100.00%

NIBSC 20/B764 CUT-OFF Conc ng/ml	NIBSC 20/162 Positive Control Conc ng/ml	NIBSC 20/130 Conc ng/ml
1565	26153	120226

SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,265	8,59	100	859	POSITIVE
2	0,431	15,50	100	1550	POSITIVE
3	2,090	200,58	100	20058	POSITIVE
4	1,686	122,28	100	12228	POSITIVE
5	1,770	135,43	100	13543	POSITIVE
6	0,860	39,09	100	3909	POSITIVE
7	0,887	40,89	100	4089	POSITIVE
8	1,222	67,43	100	6743	POSITIVE
9	2,335	274,14	100	27414	POSITIVE
10	1,962	171,31	100	17131	POSITIVE
11	0,608	24,15	100	2415	POSITIVE
12	0,614	24,49	100	2449	POSITIVE
13	0,641	25,91	100	2591	POSITIVE
14	0,430	15,43	100	1543	POSITIVE
15	0,797	35,05	100	3505	POSITIVE
16	0,414	14,75	100	1475	POSITIVE
17	1,307	75,61	100	7561	POSITIVE
18	2,186	226,37	100	22637	POSITIVE
19	0,830	37,14	100	3714	POSITIVE
20	0,954	45,54	100	4554	POSITIVE
21	1,309	75,79	100	7579	POSITIVE
22	1,352	80,28	100	8028	POSITIVE
23	1,048	52,62	100	5262	POSITIVE
24	0,116	3,35	100	335	NEGATIVE
25	0,069	1,95	100	194	NEGATIVE
26	0,094	6,00	100	267	NEGATIVE
27	0,071	2,00	100	200	NEGATIVE
28	0,062	1,73	100	173	NEGATIVE
29	0,074	2,09	100	209	NEGATIVE
30	0,115	3,34	100	334	NEGATIVE
31	0,088	2,49	100	249	NEGATIVE
32	0,114	3,31	100	331	NEGATIVE
33	0,095	2,72	100	272	NEGATIVE
34	0,062	1,74	100	174	NEGATIVE
35	0,057	1,60	100	159	NEGATIVE
36	0,052	1,44	100	144	NEGATIVE
37	0,115	3,35	100	334	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

STANDARDS	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standart A	200	206,879 203,339 195,197	A1 A2 A3	1,797 1,781 1,744	1,774	0,027	1,5
Standart B	100	95,564 97,8 102,673	B1 B2 B3	1,189 1,204 1,237	1,21	0,025	2
Standart C	50	48,044 50,401 49,558	C1 C2 C3	0,801 0,825 0,816	0,814	0,012	1,4
Standart D	25	25,156 26,065 27,065	D1 D2 D3	0,536 0,549 0,562	0,549	0,013	2,4
Standart E	12,5	13,187 12,99 13,311	E1 E2 E3	0,343 0,339 0,354	0,342	0,003	0,9
Standart F	6,25	5,31 5,835 6,178	F1 F2 F3	0,157 0,173 0,182	0,171	0,013	7,5
Standart G	0	0 0 0	G1 G2 G3	0,082 0,9 0,990			

STANDARDS	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,836	37,491	37,436	0,078	0,2	26,25 - 48,75 ng/ml
	H2	0,834	37,381				
High Control	H3	1,917	162,108	162,108	0	0	105 - 195 ng/ml

Negative samples mean OD	0,153	Negative samples STD deviation	0,072	CUT-OFF OD value	0,298	NIBSC CUT-OFF OD value	0,388

NIBSC* sera and panel sera, with the catalog numbers;

• NIBSC 20/B764 Quality Control Reagent. CE marked for use as an IVD within the EU member states

• NIBSC 20/162 Anti-SARS-CoV-2 Antibody Diagnostic Calibtant. CE marked for use as an IVD within the EU member states

• NIBSC 20/B770 PANEL SERA Anti-SARS-CoV-2 Verification Panel for Serology Assays. Quality Control Reagent. CE marked for use an IVD within the EU member states

• NIBSC 30/130 Research Reagent for Anti-SARS-CoV-2 Ab. Non-WHO Reference Material"
determined with CORONAHUNTER™ ELISA kits.

*All values are expressed as g/ml "absolute" values providing important information. Standards provided from NIBSC**

CORONA HUNTER®

"For Discovery and Better Understanding"

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

CORONAHUNTER S RBD PROTEIN

SAMPLE	OD	Adj. Con	Results
1	0,208	726	POSITIVE
2	0,293	1084	POSITIVE
3	1,418	8005	POSITIVE
4	1,233	6422	POSITIVE
5	1,265	6676	POSITIVE
6	1,082	5307	POSITIVE
7	0,822	3669	POSITIVE
8	1,076	5270	POSITIVE
9	1,841	12967	POSITIVE
10	1,482	8623	POSITIVE
11	0,457	1806	POSITIVE
12	0,460	1821	POSITIVE
13	0,514	2073	POSITIVE
14	0,303	1125	POSITIVE
15	0,634	2657	POSITIVE
16	0,328	1231	POSITIVE
17	0,998	4747	POSITIVE
18	1,870	13397	POSITIVE
19	0,586	2417	POSITIVE
20	0,575	2362	POSITIVE
21	1,048	5073	POSITIVE
22	1,037	5000	POSITIVE
23	0,752	3278	POSITIVE
24	0,102	294	NEGATIVE
25	0,069	154	NEGATIVE
26	0,083	212	NEGATIVE
27	0,072	167	NEGATIVE
28	0,059	115	NEGATIVE
29	0,059	113	NEGATIVE
30	0,094	258	NEGATIVE
31	0,077	188	NEGATIVE
32	0,097	273	NEGATIVE
33	0,087	229	NEGATIVE
34	0,070	159	NEGATIVE
35	0,055	95	NEGATIVE
36	0,053	86	NEGATIVE
37	0,090	244	NEGATIVE

NIBSC 20/B764 CUT-OFF Concng/ml	989
NIBSC 20/162 Positive Control Conc ng/ml	25597
NIBSC 20/130 Conc ng/ml	7041

Negative samples mean OD	0,076	Negative samples mean OD	0,016
CUT-OFF OD value	0,109	CUT-OFF OD value	0,271

CORONAHUNTER S1 SPIKE PROTEIN

SAMPLE	OD	Adj. Con	Results
1	0,265	859	POSITIVE
2	0,431	1550	POSITIVE
3	2,09	20058	POSITIVE
4	1,686	12228	POSITIVE
5	1,77	13543	POSITIVE
6	0,86	3909	POSITIVE
7	0,887	4089	POSITIVE
8	1,222	6743	POSITIVE
9	2,335	27414	POSITIVE
10	1,962	17131	POSITIVE
11	0,608	2415	POSITIVE
12	0,614	2449	POSITIVE
13	0,641	2591	POSITIVE
14	0,43	1543	POSITIVE
15	0,797	3505	POSITIVE
16	0,414	1475	POSITIVE
17	1,307	7561	POSITIVE
18	2,186	22637	POSITIVE
19	0,83	3714	POSITIVE
20	0,954	4554	POSITIVE
21	1,309	7579	POSITIVE
22	1,352	8028	POSITIVE
23	1,048	5262	POSITIVE
24	0,116	335	NEGATIVE
25	0,069	194	NEGATIVE
26	0,094	267	NEGATIVE
27	0,071	200	NEGATIVE
28	0,062	173	NEGATIVE
29	0,074	209	NEGATIVE
30	0,115	334	NEGATIVE
31	0,088	249	NEGATIVE
32	0,114	331	NEGATIVE
33	0,095	272	NEGATIVE
34	0,062	174	NEGATIVE
35	0,057	159	NEGATIVE
36	0,052	144	NEGATIVE
37	0,115	334	NEGATIVE

NIBSC 20/B764 CUT-OFF Concng/ml	1318
NIBSC 20/162 Positive Control Conc ng/ml	38026
NIBSC 20/130 Conc ng/ml	15573

Negative samples mean OD	0,085	Negative samples mean OD	0,024
CUT-OFF OD value	0,132	CUT-OFF OD value	0,378

CORONAHUNTER Nucleocapsid PROTEIN HEK

SAMPLE	OD	Adj. Con	Results
1	0,497	2239	POSITIVE
2	0,434	1831	POSITIVE
3	2,665	45420	POSITIVE
4	0,763	4421	POSITIVE
5	1,406	12998	POSITIVE
6	0,436	1844	POSITIVE
7	0,476	2100	POSITIVE
8	0,946	6377	POSITIVE
9	2,036	26384	POSITIVE
10	1,802	20808	POSITIVE
11	0,376	1497	POSITIVE
12	0,770	4491	POSITIVE
13	0,83	5093	POSITIVE
14	0,415	1718	POSITIVE
15	1,433	13471	POSITIVE
16	0,428	1800	POSITIVE
17	0,904	5897	POSITIVE
18	2,736	47952	POSITIVE
19	1,386	12660	POSITIVE
20	0,505	2298	POSITIVE
21	1,114	8509	POSITIVE
22	1,208	9845	POSITIVE
23	0,753	4327	POSITIVE
24	0,213	730	NEGATIVE
25	0,086	322	NEGATIVE
26	0,261	930	NEGATIVE
27	0,097	352	NEGATIVE
28	0,072	288	NEGATIVE
29	0,124	429	NEGATIVE
30	0,227	785	NEGATIVE
31	0,146	496	NEGATIVE
32	0,242	847	NEGATIVE
33	0,201	685	NEGATIVE
34	0,065	272	NEGATIVE
35	0,104	370	NEGATIVE
36	0,072	289	NEGATIVE
37	0,227	787	NEGATIVE

NIBSC 20/B764 CUT-OFF Concng/ml	1565
NIBSC 20/162 Positive Control Conc ng/ml	26152
NIBSC 20/130 Conc ng/ml	120226,304

Negative samples mean OD	0,153	Negative samples mean OD	0,072
CUT-OFF OD value	0,298	CUT-OFF OD value	0,388

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CORONAHUNTER S RBD PROTEIN

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2	0,293	1084	POSITIVE
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16	0,414	1475	POSITIVE
17	1,307	7561	POSITIVE
18	2,186	22637	POSITIVE
19	0,83	3714	POSITIVE
20	0,954	4554	POSITIVE
21	1,309	7579	POSITIVE
22	1,352	8028	POSITIVE
23	1,048	5262	POSITIVE
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25	0,069	194	NEGATIVE
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27	0,071	200	NEGATIVE
28	0,062	173	NEGATIVE
29	0,074	209	NEGATIVE
30	0,115	334	NEGATIVE
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32	0,114	331	NEGATIVE
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12	0,770	4491	POSITIVE
13	0,83	5093	POSITIVE
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16	0,428	1800	POSITIVE
17	0,904	5897	POSITIVE
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20	0,505	2298	POSITIVE
21	1,114	8509	POSITIVE
22	1,208	9845	POSITIVE
23	0,753	4327	POSITIVE
24	0,213	730	NEGATIVE
25	0,086	322	NEGATIVE
26	0,261	930	NEGATIVE
27	0,097	352	NEGATIVE
28	0,072	288	NEGATIVE
29	0,124	429	NEGATIVE
30	0,227	785	NEGATIVE
31	0,146	496	NEGATIVE
32	0,242	847	NEGATIVE
33	0,201	685	NEGATIVE
34	0,065	272	NEGATIVE
35	0,104	370	NEGATIVE
36	0,072	289	NEGATIVE
37	0,227	787	NEGATIVE

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NIBSC 20/130 Conc ng/ml	120226,304

Negative samples mean OD	0,153	Negative samples mean OD	0,072
CUT-OFF OD value	0,298	CUT-OFF OD value	0,388

LIAISON - S1/S2 IgG

Panel Number	Result (AU/ml)
1	20,2
2	37,5
3	260,7
4	202
5	226
6	75
7	105,3
8	163
9	166,7
10	174,3
11	74,7
12	86,2
13	87,4
14	88,5
15	110,7
16	79,1
17	111,7
18	161,3
19	148
20	145,7
21	117,3
22	151
23	140,7
24	<3,80
25	<3,80
26	<3,80
27	<3,80
28	<3,80
29	<3,80
30	<3,80
31	<3,80
32	<3,80
33	<3,80
34	<3,80
35	8,43
36	<3,80
37	<3,80

NIBSC 20/B770

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EUROIMMUN-IgG	
Panel Number	Result (S/CO)
1	1,7
2	3,2
3	8,5
4	7,9
5	8,5
6	5,8
7	5,7
8	7,1
9	7,9
10	8
11	4,6
12	4,9
13	5,1
14	4,8
15	5,7
16	4,2
17	6,1
18	7,6
19	5,8
20	6,2
21	6,6
22	6,7
23	6,5
24	0,09
25	0,08
26	0,39
27	0,08
28	0,07
29	0,06
30	0,27
31	0,1
32	0,11
33	0,11
34	0,09
35	0,07
36	0,07
37	0,12

ABBOTT-IgG	
Panel Number	Result (S/CO)
1	3,7
2	1,4
3	6,5
4	4,2
5	7,2
6	4,2
7	4
8	7,2
9	5,8
10	5,8
11	1,8
12	4,4
13	6,4
14	4,5
15	5,3
16	1,2
17	3,9
18	6,4
19	5,1
20	4,5
21	7
22	5,5
23	5
24	0,02
25	0,05
26	0,12
27	0,01
28	0,05
29	0,01
30	0,16
31	0,01
32	0,03
33	0,04
34	0,01
35	0,01
36	0,04
37	0,03

SIEMENS-IgG	
Panel Number	Result (S/CO)
1	0,6
2	0,98
3	>20
4	>20
5	>20
6	12,2
7	8,8
8	>20
9	>20
10	>20
11	4,2
12	4,7
13	5,4
14	5,3
15	6,5
16	1,9
17	12,2
18	>20
19	12,2
20	10,3
21	15,2
22	13,5
23	8,4
24	0
25	0,03
26	0,01
27	0
28	0
29	0
30	0,01
31	0
32	0
33	0
34	0
35	0
36	0
37	0

DiaPro-IgG	
Panel Number	Result (S/CO)
1	8,1
2	10,5
3	11,1
4	9,4
5	11,3
6	7
7	4,2
8	11,2
9	11,3
10	11,1
11	3,9
12	7,3
13	9,6
14	8,3
15	10,2
16	8
17	9,6
18	11,1
19	10,1
20	8,9
21	10,7
22	9,4
23	10,2
24	0,13
25	0,19
26	0,51
27	0,26
28	0,1
29	0,27
30	0,24
31	0,45
32	0,41
33	0,2
34	0,91
35	0,25
36	0,54
37	0,2

EUROIMMUN-NCP IgG	
Panel Number	Result (S/CO)
1	2,7
2	2,1
3	6,2
4	3,7
5	5,8
6	3,1
7	2,9
8	5
9	5,6
10	5,5
11	1,4
12	3,4
13	4,3
14	3,3
15	3,9
16	2,4
17	3,1
18	4,9
19	5,1
20	3,3
21	4,9
22	3,5
23	3,4
24	0,05
25	0,1
26	0,17
27	0,03
28	0,03
29	0,02
30	0,15
31	0,09
32	0,04
33	0,08
34	0,18
35	0,05
36	0,2
37	0,06

PANEL SAMPLES FROM WHO (World Health Organization)

IgA ELISA KITS

CORONA HUNTER®

"For Discovery and Better Understanding"

Q-CORSRBD IgA

Anti-spike RBD IgA ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

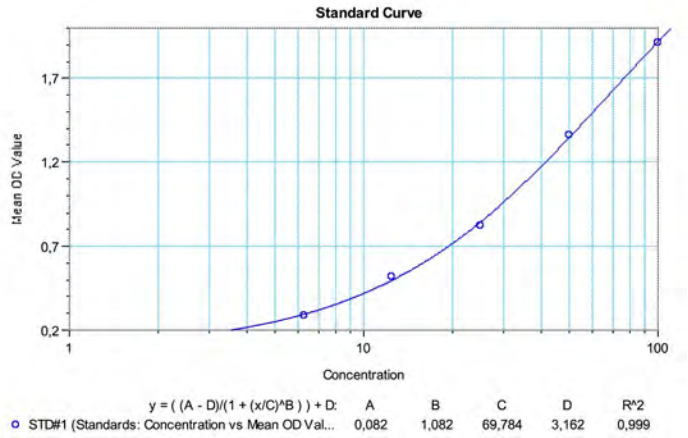
CORONAHUNTER® Q-CORSRBD IgA ELISA

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD IgA ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgA!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

*The National Institute for Biological Standards and Control (NIBSC) is the world's major producer and distributor of WHO International standards and reference materials.



Catalog Number/Code	**Q-CORSRBD IgA** COR-QNS-IGA-SRBD
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	3,5
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

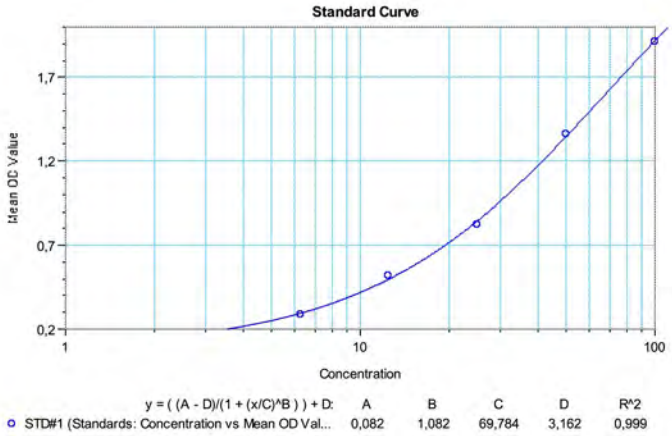
MATRIKS BIOTEK

S RBD IgA					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,259	3,332	50	166,613	GREY ZONE
2	0,109	1,181	50	59,042	NEGATIVE
3	0,774	12,457	50	622,831	POSITIVE
4	0,452	6,42	50	321,019	POSITIVE
5	0,303	4,009	50	200,449	GREY ZONE
6	0,494	7,129	50	356,475	POSITIVE
7	0,115	1,265	50	63,245	NEGATIVE
8	0,158	1,861	50	93,035	NEGATIVE
9	0,315	4,193	50	209,671	GREY ZONE
10	0,308	4,085	50	204,238	GREY ZONE
11	0,658	10,132	50	506,588	POSITIVE
12	0,145	1,68	50	84,004	NEGATIVE
13	0,614	9,294	50	464,709	POSITIVE
14	0,392	5,421	50	271,051	GREY ZONE
15	0,226	2,839	50	141,964	GREY ZONE
16	0,159	1,883	50	94,169	NEGATIVE
17	0,18	2,18	50	109,007	NEGATIVE
18	0,402	5,578	50	278,896	GREY ZONE
19	0,213	2,65	50	132,489	GREY ZONE
20	0,415	5,802	50	290,09	GREY ZONE
21	0,154	1,813	50	90,629	NEGATIVE
22	0,272	3,527	50	176,351	GREY ZONE
23	0,43	6,044	50	302,21	GREY ZONE
24	0,068	0,621	50	31,069	NEGATIVE
25	0,099	1,037	50	51,844	NEGATIVE
26	0,1	1,053	50	52,665	NEGATIVE
27	0,103	1,1	50	54,992	NEGATIVE
28	0,08	0,787	50	39,344	NEGATIVE
29	0,114	1,241	50	62,073	NEGATIVE
30	0,087	0,878	50	43,879	NEGATIVE
31	0,104	1,104	50	55,198	NEGATIVE
32	0,239	3,045	50	152,256	GREY ZONE
33	0,104	1,115	50	55,746	NEGATIVE
34	0,074	0,701	50	35,03	NEGATIVE
35	0,14	1,608	50	80,425	NEGATIVE
36	0,135	1,533	50	76,647	NEGATIVE
37	0,105	1,126	50	56,295	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD IgA ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgA!



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	98,959	A1	2,510	2,52	0,014	0,6
		101,349	A2	2,530			
Standard B	50	51,279	B1	1,92	1,893	0,039	2
		48,368	B2	1,866			
Standard C	25	25,448	C1	1,29	1,278	0,017	1,3
		24,727	C2	1,266			
Standard D	12,5	11,873	D1	0,746	0,78	0,049	6,3
		13,13	D2	0,815			
Standard E	6,25	4,858	E1	0,357	0,432	0,106	24,6
		7,375	E2	0,508			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
High Control	H1	2,304	77,871	77,871	0	0	52,5-97,5ng/ml
	H2	2,204	69,71	69,71	0	0	
Low Control	G1	1,038	18,494	18,494	0	0	13,125-24,375ng/ml
	G2	1,079	19,546	19,546	0	0	

Negative samples mean OD	0,111	Negative samples STD deviation	0,041	CUT-OFF OD value	0,192 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value

Q-CORS1 IgA

Anti-S1 IgA ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORS1 IgA ELISA

Enzyme immunoassay for the quantitative determination of anti-S1 IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 IgA ELISA has been especially developed for the quantitative analysis of anti-S1 IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgA!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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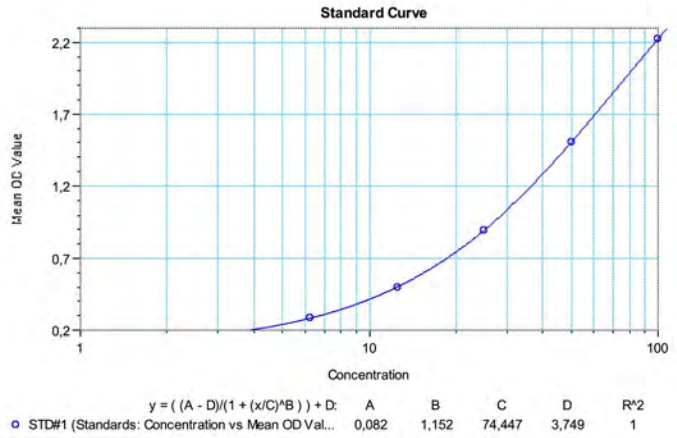


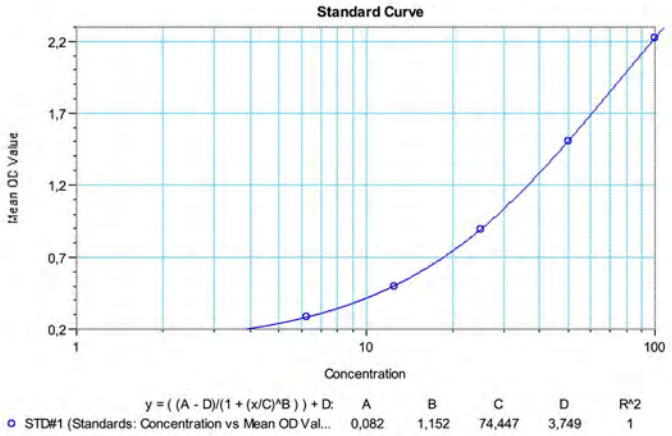
Catalog Number/Code	**Q-CORS1 IgA** COR-QNS-IGA-S1
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	3,5
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

S1 IgA					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,198	3,555	50	177,747	GREY ZONE
2	0,111	2,147	50	107,36	NEGATIVE
3	0,409	7,571	50	378,546	POSITIVE
4	0,887	19,957	50	997,848	POSITIVE
5	0,856	18,996	50	949,795	POSITIVE
6	0,216	3,851	50	192,54	GREY ZONE
7	0,094	1,901	50	95,027	NEGATIVE
8	0,207	3,704	50	185,192	GREY ZONE
9	0,224	3,997	50	199,872	GREY ZONE
10	0,24	4,273	50	213,675	GREY ZONE
11	0,594	11,814	50	590,695	POSITIVE
12	0,146	2,694	50	134,717	GREY ZONE
13	0,342	6,213	50	310,628	POSITIVE
14	0,381	6,986	50	349,293	POSITIVE
15	0,392	7,219	50	360,967	POSITIVE
16	0,188	3,384	50	169,2	GREY ZONE
17	0,098	1,949	50	97,468	NEGATIVE
18	0,337	6,1	50	304,992	POSITIVE
19	0,188	3,377	50	168,864	GREY ZONE
20	0,35	6,356	50	317,79	POSITIVE
21	0,154	2,814	50	140,722	GREY ZONE
22	0,158	2,879	50	143,95	GREY ZONE
23	0,361	6,579	50	328,929	POSITIVE
24	0,065	1,479	50	73,953	NEGATIVE
25	0,078	1,665	50	83,24	NEGATIVE
26	0,06	1,411	50	70,538	NEGATIVE
27	0,065	1,471	50	73,534	NEGATIVE
28	0,055	1,338	50	66,881	NEGATIVE
29	0,074	1,599	50	79,954	NEGATIVE
30	0,061	1,423	50	71,163	NEGATIVE
31	0,093	1,881	50	94,069	NEGATIVE
32	0,184	3,32	50	166,012	GREY ZONE
33	0,051	1,286	50	64,283	NEGATIVE
34	0,045	1,198	50	59,887	NEGATIVE
35	0,036	1,079	50	53,968	NEGATIVE
36	0,03	1,009	50	50,436	NEGATIVE
37	0,063	1,45	50	72,486	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of anti-S1 IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 IgA ELISA has been especially developed for the quantitative analysis of anti-S1 IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgA!



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	98,908	A1	2,273	2,291	0,025	1,1
		102,392	A2	2,308			
Standard B	50	46,826	B1	1,55	1,582	0,045	2,9
		50,247	B2	1,614			
Standard C	25	25,904	C1	1,066	1,084	0,026	2,4
		27,23	C2	1,103			
Standard D	12,5	11,831	D1	0,595	0,601	0,009	1,4
		12,132	D2	0,607			
Standard E	6,25	5,831	E1	0,323	0,328	0,008	2,3
		6,041	E2	0,334			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	G1	0,495	9,4	0,494			6,56-12,18ng/ml
	G2	0,493	9,3				
High Control	H1	1,397	39,348	38,778	0,806	2,1	26,25-48,75ng/ml
	H2	1,372	38,209				

Negative samples mean OD	0,069	Negative samples STD deviation	0,036	CUT-OFF OD value	0,140 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORN IgA

Anti-nucleocapsid IgA ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORN IgA ELISA

Enzyme immunoassay for the quantitative determination of anti-nucleocapsid IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN IgA ELISA has been especially developed for the quantitative analysis of anti-nucleocapsid IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgA!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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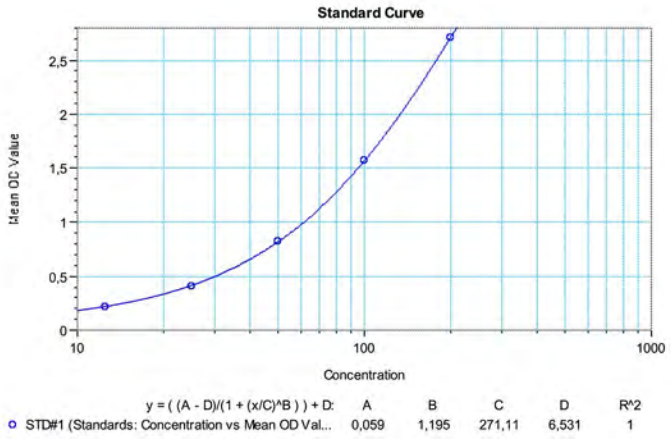


Catalog Number/Code	**Q-CORN IgA** COR-QNS-IGA-NCP
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	8
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

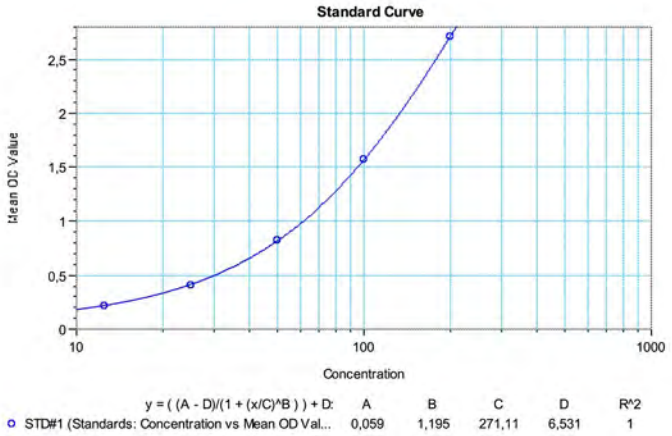
MATRIKS BIOTEK

Enzyme immunoassay for the quantitative determination of anti-nucleocapsid IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN IgA ELISA has been especially developed for the quantitative analysis of anti-nucleocapsid IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgA!

NC HEK 293 IgA					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,11	8,03	200	1606,073	NEGATIVE
2	0,361	27,038	200	5407,569	POSITIVE
3	0,515	36,938	200	7387,561	POSITIVE
4	0,121	9,04	200	1807,908	GREY ZONE
5	0,086	5,457	200	1091,324	NEGATIVE
6	0,079	4,568	200	913,639	NEGATIVE
7	0,068	3,07	200	614,084	NEGATIVE
8	0,118	8,725	200	1744,908	GREY ZONE
9	0,456	33,215	200	6643,074	POSITIVE
10	0,29	22,238	200	4447,588	POSITIVE
11	0,05	Range?	200	Range?	NEGATIVE
12	0,084	5,148	200	1029,593	NEGATIVE
13	0,098	6,732	200	1346,306	NEGATIVE
14	0,106	7,547	200	1509,344	NEGATIVE
15	0,09	5,849	200	1169,838	NEGATIVE
16	0,061	1,808	200	361,656	NEGATIVE
17	0,08	4,719	200	943,832	NEGATIVE
18	0,105	7,485	200	1497,073	NEGATIVE
19	1,105	75,453	200	15090,55	POSITIVE
20	0,081	4,769	200	953,802	NEGATIVE
21	0,075	4,061	200	812,265	NEGATIVE
22	0,188	14,799	200	2959,764	POSITIVE
23	0,109	7,881	200	1576,112	NEGATIVE
24	0,097	6,689	200	1337,725	NEGATIVE
25	0,077	4,246	200	849,268	NEGATIVE
26	0,059	1,38	200	276,072	NEGATIVE
27	0,064	2,418	200	483,546	NEGATIVE
28	0,057	1,058	200	211,564	NEGATIVE
29	0,065	2,534	200	506,879	NEGATIVE
30	0,05	Range?	200	Range?	NEGATIVE
31	0,069	3,25	200	649,918	NEGATIVE
32	0,122	9,125	200	1824,935	GREY ZONE
33	0,063	2,298	200	459,691	NEGATIVE
34	0,097	6,689	200	1337,725	NEGATIVE
35	0,06	1,57	200	314,052	NEGATIVE
36	0,081	4,757	200	951,314	NEGATIVE
37	0,075	3,967	200	793,482	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)



Standards	Concentration (ng/ml)	Back Calc Conc.	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	200	195,909	A1	2,261	2,283	0,034	1,5
		196,866	A2	2,267			
		206,613	A3	2,323			
Standard B	100	101,704	B1	1,448	1,435	0,059	4,1
		95,395	B2	1,371			
		105,026	B3	1,487			
Standard C	50	49,103	C1	0,707	0,703	0,017	2,5
		47,647	C2	0,684			
		49,814	C3	0,718			
Standard D	25	27,13	D1	0,362	0,35	0,022	6,4
		24,557	D2	0,324			
		27,17	D3	0,363			
Standard E	12,5	12,072	E1	0,155	0,158	0,009	5,4
		11,834	E2	0,152			
		13,171	E3	0,168			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,216	16,895	17,593	0,986	5,6	13,125-24,375 ng/ml
	H2	0,234	18,29				
High Control	H3	1,871	142,552	142,552	0	0	105-195 ng/ml

Negative samples mean OD	0,074	Negative samples STD deviation	0,019	CUT-OFF OD value	0,112 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORS IgA

Anti-spike Trimer IgA ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORS IGA

Enzyme immunoassay for the quantitative determination of anti-spike Trimer IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS IGA ELISA has been especially developed for the quantitative analysis of anti-spike Trimer IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgG-A-M-E!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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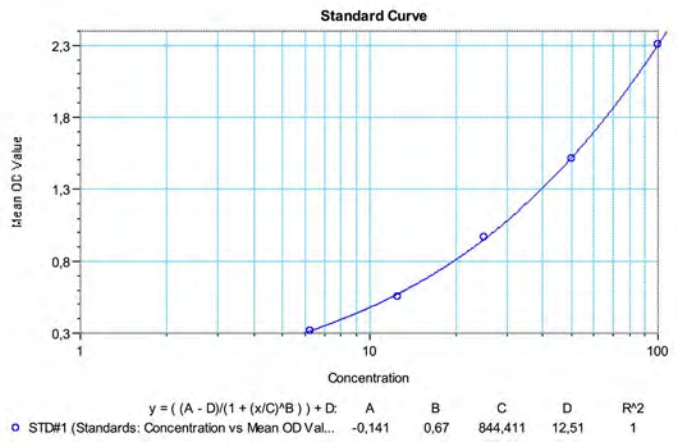


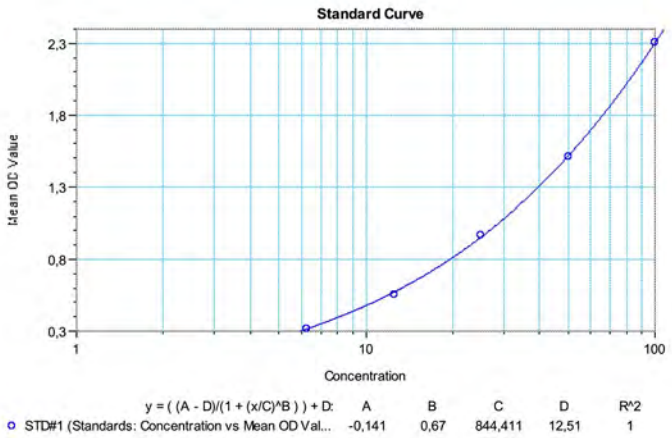
Catalog Number/Code	**Q-CORS IgA** COR-QNS-IGA-STRIM
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	3,5
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

S TRIMER IGA					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,331	6,598	50	329,912	POSITIVE
2	0,184	3,712	50	185,584	GREY ZONE
3	0,611	13,683	50	684,161	POSITIVE
4	0,808	19,885	50	994,267	POSITIVE
5	1,005	27,01	50	1350,524	POSITIVE
6	0,364	7,335	50	366,767	POSITIVE
7	0,118	2,623	50	131,149	NEGATIVE
8	0,265	5,217	50	260,833	GREY ZONE
9	1,500	49,272	50	2463,608	POSITIVE
10	1,564	52,63	50	2631,485	POSITIVE
11	0,894	22,873	50	1143,665	POSITIVE
12	0,209	4,153	50	207,668	GREY ZONE
13	0,493	10,453	50	522,674	POSITIVE
14	0,806	19,787	50	989,37	POSITIVE
15	0,230	4,552	50	227,622	GREY ZONE
16	0,319	6,344	50	317,211	POSITIVE
17	0,205	4,086	50	204,302	GREY ZONE
18	0,475	9,991	50	499,548	POSITIVE
19	0,460	9,612	50	480,593	POSITIVE
20	0,603	13,464	50	673,216	POSITIVE
21	0,292	5,775	50	288,762	GREY ZONE
22	0,704	16,488	50	824,39	POSITIVE
23	0,441	9,145	50	457,246	POSITIVE
24	0,063	1,828	50	91,39	NEGATIVE
25	0,079	2,044	50	102,208	NEGATIVE
26	0,070	1,921	50	96,053	NEGATIVE
27	0,068	1,888	50	94,398	NEGATIVE
28	0,047	1,611	50	80,548	NEGATIVE
29	0,114	2,56	50	127,996	NEGATIVE
30	0,050	1,651	50	82,573	NEGATIVE
31	0,093	2,253	50	112,642	NEGATIVE
32	0,227	4,5	50	224,985	GREY ZONE
33	0,045	1,59	50	79,51	NEGATIVE
34	0,049	1,638	50	81,917	NEGATIVE
35	0,051	1,661	50	83,032	NEGATIVE
36	0,035	1,463	50	73,128	NEGATIVE
37	0,072	1,945	50	97,232	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of anti-spike Trimer IgA in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS IGA ELISA has been especially developed for the quantitative analysis of anti-spike Trimer IgA in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgG-A-M-E!



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	101,888	A1	2,328	2,305	0,033	1,4
		98,396	A2	2,282			
Standard B	50	47,4	B1	1,463	1,508	0,064	4,2
		52,056	B2	1,553			
Standard C	25	23,765	C1	0,919	0,965	0,066	6,8
		27,259	C2	1,011			
Standard D	12,5	11,85	D1	0,545	0,557	0,017	3
		12,497	D2	0,569			
Standard E	6,25	6,348	E1	0,319	0,319	0,001	0,2
		6,331	E2	0,319			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	G1	0,82	20,283	20,141	0,199	1	13,12-24,3ng/ml
	G2	0,812	20				
High Control	H1	2,091	84,695	82,473	3,142	3,8	52,5-97,5ng/ml
	H2	2,025	80,251				

Negative samples mean OD	0,076	Negative samples STD deviation	0,047	CUT-OFF OD value	0,169	NIBSC CUT-OFF OD value	0,836

IgM
ELISA KITS

CORONA HUNTER®

"For Discovery and Better Understanding"

Q-CORSRBD IgM

Anti-spike RBD IgM ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORSRBD IgM ELISA

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD IgM ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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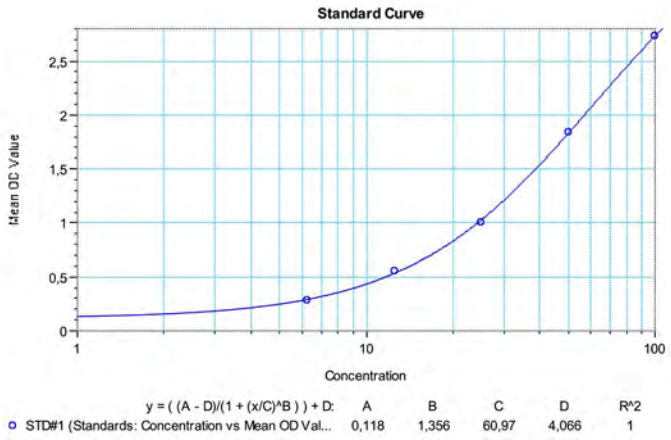


Catalog Number/Code	**Q-CORSRBD IgM** COR-QNS-IGM-SRBD
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	8
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

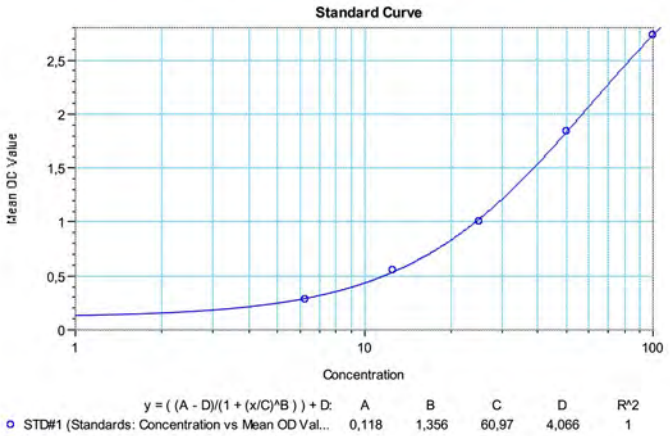
MATRIKS BIOTEK

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD IgM ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

RBD IgM					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,184	3,752	200	750,365	NEGATIVE
2	0,168	2,999	200	599,787	NEGATIVE
3	0,617	19,926	200	3985,126	POSITIVE
4	0,615	19,865	200	3973,064	POSITIVE
5	0,149	1,932	200	386,388	NEGATIVE
6	0,428	13,265	200	2653,069	POSITIVE
7	0,167	2,948	200	589,534	NEGATIVE
8	0,209	4,89	200	978,042	NEGATIVE
9	0,491	15,485	200	3097,065	POsITIVE
10	0,328	9,639	200	1927,837	GREY ZONE
11	0,172	3,186	200	637,238	NEGATIVE
12	0,097	Range?	200	Range?	NEGATIVE
13	0,239	6,19	200	1237,965	NEGATIVE
14	0,256	6,87	200	1373,985	NEGATIVE
15	1,066	37,105	200	7421,005	POSITIVE
16	0,107	Range?	200	Range?	NEGATIVE
17	0,297	8,455	200	1691,066	NEGATIVE
18	1,153	40,86	200	8172,029	POSITIVE
19	0,344	10,234	200	2046,749	GREY ZONE
20	0,245	6,415	200	1282,901	NEGATIVE
21	1,239	44,822	200	8964,463	POSITIVE
22	0,496	15,658	200	3131,578	POSITIVE
23	1,774	77,093	200	15418,69	POSITIVE
24	0,108	Range?	200	Range?	NEGATIVE
25	0,106	Range?	200	Range?	NEGATIVE
26	0,082	Range?	200	Range?	NEGATIVE
27	0,104	Range?	200	Range?	NEGATIVE
28	0,162	2,687	200	537,33	NEGATIVE
29	0,169	3,06	200	612,016	NEGATIVE
30	0,154	2,261	200	452,221	NEGATIVE
31	0,081	Range?	200	Range?	NEGATIVE
32	0,06	Range?	200	Range?	NEGATIVE
33	0,109	Range?	200	Range?	NEGATIVE
34	0,171	3,116	200	623,155	NEGATIVE
35	0,145	1,689	200	337,763	NEGATIVE
36	0,353	10,534	200	2106,865	GREY ZONE
37	0,322	9,416	200	1883,19	GREY ZONE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	98,895	A1	2,012	2,021	0,013	0,6
		100,919	A2	2,031			
Standard B	50	49,773	B1	1,339	1,348	0,012	0,9
		50,668	B2	1,357			
Standard C	25	25,018	C1	0,758	0,748	0,014	1,9
		24,267	C2	0,738			
Standard D	12,5	12,449	D1	0,406	0,419	0,019	4,5
		13,397	D2	0,432			
Standard E	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	G1	0,634	20,526	19,796	1,033	5,2	13,125-24,375ng/ml
	G2	0,593	19,065				
High Control	H1	1,787	78,063	78,442	0,537	0,7	52,5-97,5 ng/ml
	H2	1,796	78,822				

Negative samples mean OD	0,152	Negative samples STD deviation	0,083	CUT-OFF OD value	0,318 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORS1 IgM

Anti-S1 IgM ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORS1 IgM ELISA

Enzyme immunoassay for the quantitative determination of anti-S1 IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 IgM ELISA has been especially developed for the quantitative analysis of anti-S1 IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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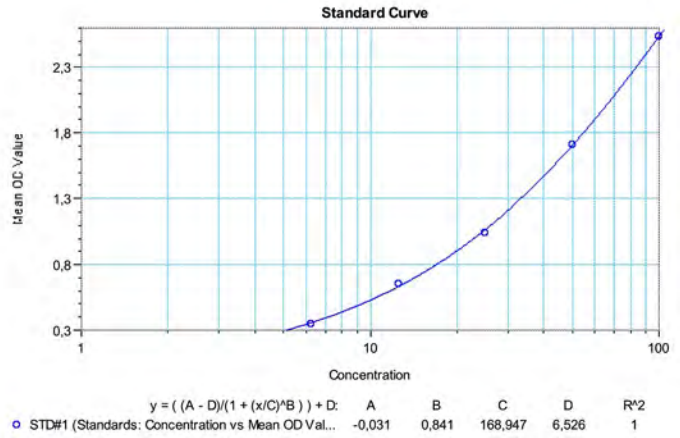


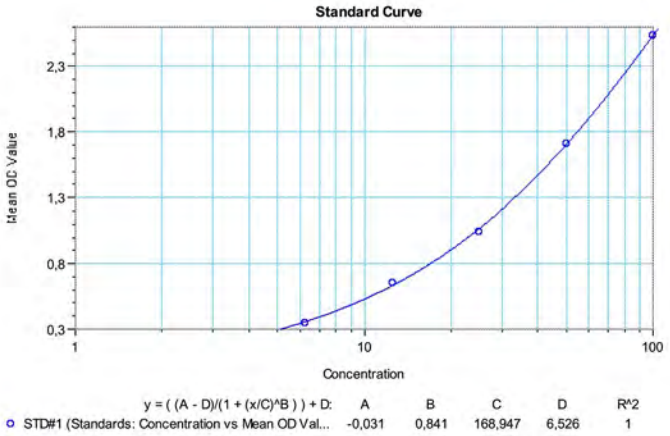
Catalog Number/Code	**Q-CORS1 IgM** COR-QNS-IGM-S1
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	3,5
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

Enzyme immunoassay for the quantitative determination of anti-S1 IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 IgM ELISA has been especially developed for the quantitative analysis of anti-S1 IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

S1 IgM					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,208	6,879	200	1375,79	GREY ZONE
2	0,143	3,911	200	782,11	GREY ZONE
3	0,398	13,677	200	2735,417	POSITIVE
4	0,41	14,054	200	2810,745	POSITIVE
5	0,095	0,631	200	126,219	NEGATIVE
6	0,21	6,973	200	1394,506	GREY ZONE
7	0,112	2,127	200	425,473	NEGATIVE
8	0,181	5,742	200	1148,441	NEGATIVE
9	0,293	10,099	200	2019,817	POSITIVE
10	0,203	6,657	200	1331,445	GREY ZONE
11	0,122	2,778	200	555,507	NEGATIVE
12	0,062	Range?	200	Range?	NEGATIVE
13	0,145	4,019	200	803,842	GREY ZONE
14	0,165	5,001	200	1000,165	GREY ZONE
15	0,7	23,24	200	4647,914	POSITIVE
16	0,082	Range?	200	Range?	NEGATIVE
17	0,046	Range?	200	Range?	NEGATIVE
18	0,487	16,539	200	3307,853	POSITIVE
19	0,086	Range?	200	Range?	NEGATIVE
20	0,138	3,657	200	731,351	GREY ZONE
21	0,621	20,774	200	4154,851	POSITIVE
22	0,395	13,565	200	2713,065	POSITIVE
23	1,618	58,311	200	11662,28	POSITIVE
24	0,07	Range?	200	Range?	NEGATIVE
25	0,089	Range?	200	Range?	NEGATIVE
26	0,042	Range?	200	Range?	NEGATIVE
27	0,07	Range?	200	Range?	NEGATIVE
28	0,109	1,861	200	372,28	NEGATIVE
29	0,09	Range?	200	Range?	NEGATIVE
30	0,085	Range?	200	Range?	NEGATIVE
31	0,052	Range?	200	Range?	NEGATIVE
32	0,052	Range?	200	Range?	NEGATIVE
33	0,068	Range?	200	Range?	NEGATIVE
34	0,07	Range?	200	Range?	NEGATIVE
35	0,06	Range?	200	Range?	NEGATIVE
36	0,058	Range?	200	Range?	NEGATIVE
37	0,156	4,597	200	919,454	GREY ZONE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	103,812	A1	2,246	2,214	0,046	2,1
		97,219	A2	2,181			
Standard B	50	47,719	B1	1,388	1,422	0,048	3,4
		50,659	B2	1,456			
Standard C	25	26,469	C1	0,801	0,8	0,002	0,2
		26,386	C2	0,799			
Standard D	12,5	10,52	D1	0,305	0,305	0	0,2
		10,495	D2	0,304			
Standard E	6,25	7,186	E1	0,216	0,221	0,008	3,6
		7,638	E2	0,227			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	G1	0,571	19,2	19,228	0,04	0,2	13,125-24,375ng/ml
	G2	0,573	19,257				
High Control	H1	1,836	70,496	71,696	1,697	2,4	52,5-97,5 ng/ml
	H2	1,873	72,896				

Negative samples mean OD	0,077	Negative samples STD deviation	0,028	CUT-OFF OD value	0,133 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORN IgM

Anti-nucleocapsid IgM ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORN IgM ELISA

Enzyme immunoassay for the quantitative determination of anti-nucleocapsid IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN IgM ELISA has been especially developed for the quantitative analysis of anti-nucleocapsid IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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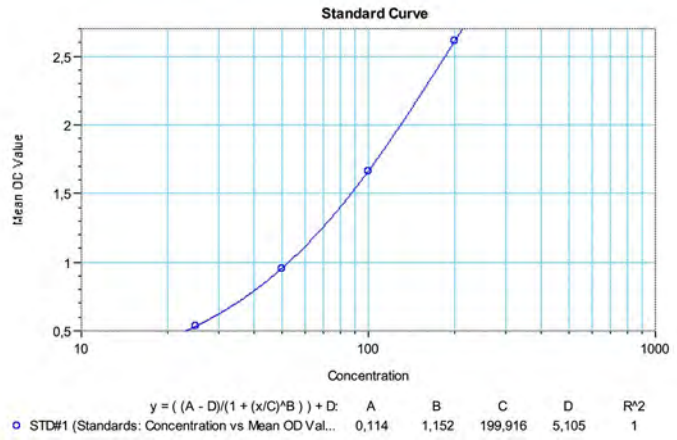


Catalog Number/Code	**Q-CORN IgM** COR-QNS-IGM-NCP
Required Volume (µl)	5
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	20
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

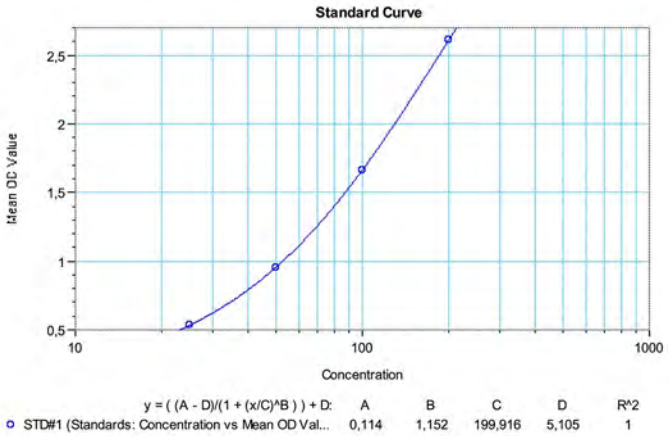
MATRIKS BIOTEK

Enzyme immunoassay for the quantitative determination of anti-nucleocapsid IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN IgM ELISA has been especially developed for the quantitative analysis of anti-nucleocapsid IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

N.C. HEK 293 IgM					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,334	24,615	100	2461,504	GREY ZONE
2	0,210	13,956	100	1395,553	NEGATIVE
3	0,418	31,102	100	3110,154	POSITIVE
4	0,481	35,829	100	3582,923	POSITIVE
5	0,371	27,529	100	2752,943	POSITIVE
6	0,177	10,545	100	1054,462	NEGATIVE
7	0,153	7,857	100	785,693	NEGATIVE
8	0,215	14,454	100	1445,411	NEGATIVE
9	0,614	45,411	100	4541,128	POSITIVE
10	0,694	51,171	100	5117,139	POSITIVE
11	0,408	30,385	100	3038,549	POSITIVE
12	0,149	7,307	100	730,726	NEGATIVE
13	0,195	12,435	100	1243,521	NEGATIVE
14	0,296	21,551	100	2155,146	NEGATIVE
15	0,137	5,743	100	574,255	NEGATIVE
16	0,156	8,21	100	821,002	NEGATIVE
17	0,221	15,021	100	1502,128	NEGATIVE
18	0,27	19,373	100	1937,277	NEGATIVE
19	0,481	35,785	100	3578,519	POSITIVE
20	0,272	19,535	100	1953,525	NEGATIVE
21	0,276	19,893	100	1989,282	NEGATIVE
22	0,238	16,55	100	1655,035	NEGATIVE
23	0,565	41,916	100	4191,563	POSITIVE
24	0,262	18,675	100	1867,485	NEGATIVE
25	0,201	13,115	100	1311,517	NEGATIVE
26	0,121	3,261	100	326,052	NEGATIVE
27	0,145	6,883	100	688,258	NEGATIVE
28	0,251	17,695	100	1769,469	NEGATIVE
29	0,166	9,335	100	933,472	NEGATIVE
30	0,258	18,353	100	1835,307	NEGATIVE
31	0,094	Range?	100	Range?	NEGATIVE
32	0,086	Range?	100	Range?	NEGATIVE
33	0,163	9,001	100	900,149	NEGATIVE
34	0,192	12,192	100	1219,164	NEGATIVE
35	0,17	9,82	100	981,96	NEGATIVE
36	0,171	9,986	100	998,633	NEGATIVE
37	0,33	24,336	100	2433,62	GREY ZONE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	200	196,643	A1	2,106	2,125	0,027	1,3
		203,101	A2	2,144			
Standard B	100	99,91	B1	1,31	1,315	0,008	0,6
		100,985	B2	1,321			
Standard C	50	47,538	C1	0,654	0,677	0,034	5
		50,924	C2	0,701			
Standard D	25	25,162	D1	0,33	0,338	0,012	3,4
		26,285	D2	0,347			
Standard E	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,42	31,315	31,315	0	0	26,25-48,75 ng/ml
High Control	H2	1,772	149,195	149,195	0	0	105-195 ng/ml

Negative samples mean OD	0,186	Negative samples STD deviation	0,067	CUT-OFF OD value	0,319 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORS IgM

Anti-spike Trimer IgM ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORS IGM ELISA

Enzyme immunoassay for the quantitative determination of anti-spike Trimer IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS IGM ELISA has been especially developed for the quantitative analysis of anti-spike Trimer IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgG-A-M-E!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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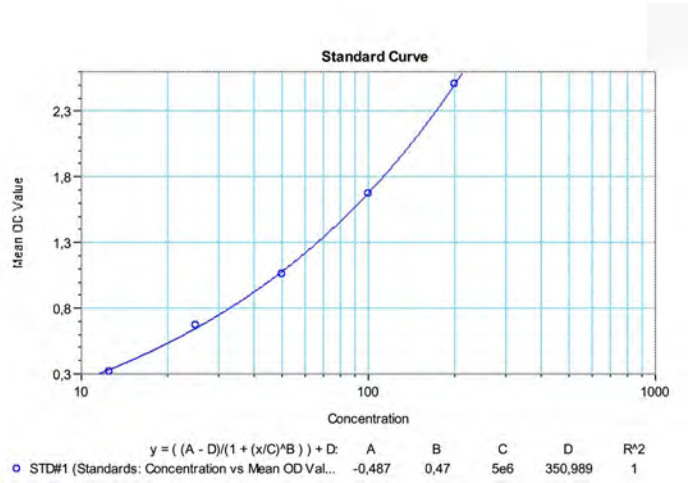


Catalog Number/Code	**Q-CORS IgM** COR-QNS-IGM-STRIM
Required Volume (µl)	10
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	3,5
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

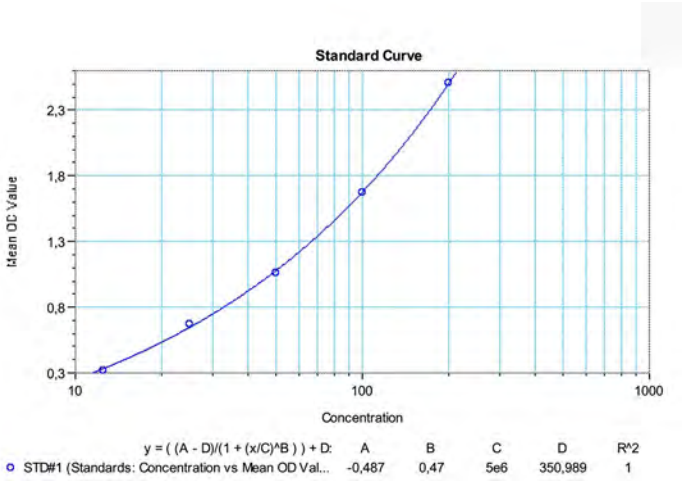
MATRIKS BIOTEK

Enzyme immunoassay for the quantitative determination of anti-nucleocapsid IgM in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN IgM ELISA has been especially developed for the quantitative analysis of anti-nucleocapsid IgM in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgM!

MATRIKS BIOTEK	S TRIMER IGM				
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,085	Range?	200	Range?	NEGATIVE
2	0,078	Range?	200	Range?	NEGATIVE
3	0,879	23,475	200	4694,964	POSITIVE
4	0,614	15,124	200	3024,838	POSITIVE
5	0,194	1,935	200	387,047	NEGATIVE
6	0,352	7,099	200	1419,807	POSITIVE
7	0,202	2,217	200	443,353	NEGATIVE
8	0,404	8,705	200	1741,067	POSITIVE
9	0,305	5,63	200	1125,986	NEGATIVE
10	0,291	5,194	200	1038,876	NEGATIVE
11	0,208	2,423	200	484,518	NEGATIVE
12	0,066	Range?	200	Range?	NEGATIVE
13	0,177	1,312	200	262,383	NEGATIVE
14	0,121	Range?	200	Range?	NEGATIVE
15	1,282	37,537	200	7507,471	POSITIVE
16	0,055	Range?	200	Range?	NEGATIVE
17	0,053	Range?	200	Range?	NEGATIVE
18	1.36	40,489	200	8097,798	POSITIVE
19	0,399	8,573	200	1714,687	POSITIVE
20	0,189	1,737	200	347,314	NEGATIVE
21	1,424	43,045	200	8609,083	POSITIVE
22	0,601	14,734	200	2946,816	POSITIVE
23	2,114	76,199	200	15239,76	POSITIVE
24	0,078	Range?	200	Range?	NEGATIVE
25	0,181	1,435	200	287,052	NEGATIVE
26	0,069	Range?	200	Range?	NEGATIVE
27	0,244	3,666	200	733,139	NEGATIVE
28	0,129	Range?	200	Range?	NEGATIVE
29	0,095	Range?	200	Range?	NEGATIVE
30	0,100	Range?	200	Range?	NEGATIVE
31	0,084	Range?	200	Range?	NEGATIVE
32	0,046	Range?	200	Range?	NEGATIVE
33	0,059	Range?	200	Range?	NEGATIVE
34	0,078	Range?	200	Range?	NEGATIVE
35	0,049	Range?	200	Range?	NEGATIVE
36	0,106	Range?	200	Range?	NEGATIVE
37	0,453	10,203	200	2040,664	POSITIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	103,846	A1	2,521	2,472	0,069	2,8
		96,425	A2	2,424			
Standard B	50	49,908	B1	1,59	1,587	0,003	0,2
		49,701	B2	1,585			
Standard C	25	25,475	C1	0,94	0,936	0,005	0,5
		25,243	C2	0,933			
Standard D	12,5	12,178	D1	0,518	0,515	0,003	0,6
		12,044	D2	0,513			
Standard E	6,25	6,197	E1	0,323	0,33	0,01	3,1
		6,651	E2	0,337			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc.	Std.Dev.	CV%	Expected value
Low Control	G1	0,781	20,336	20,147	0,267	1,3	13,12-24,3 ng/ml
	G2	0,769	19,959				
High Control	H1	2,203	81,595	77,879	5,255	6,7	52,5-97-5 ng/ml
	H2	2,078	74,163				

Negative samples mean OD	0,127	Negative samples STD deviation	0,104	CUT-OFF OD value	0,335	NIBSC CUT-OFF OD value	1,139

IgE
ELISA KITS

CORONA HUNTER®

"For Discovery and Better Understanding"

Q-CORSRBD IgE

Anti-spike RBD IgE ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORSRBD IgE ELISA

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgE in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD IgE ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgE in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgE!

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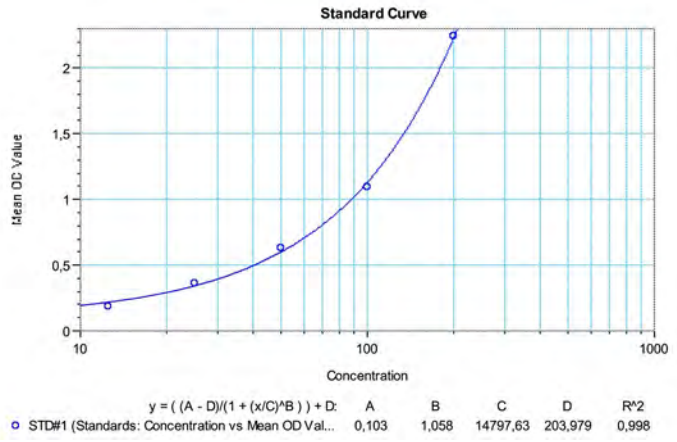


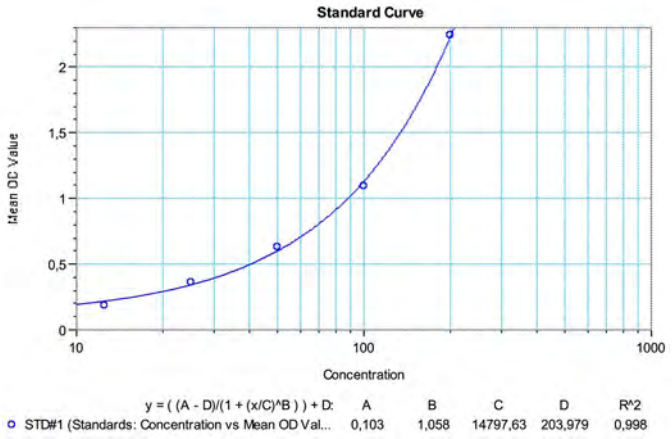
Catalog Number/Code	**Q-CORSRBD IgE** COR-QNS-IGE-RBD
Required Volume (µl)	5
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	6,25
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

S RBD IgE					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,021	0,045	100	4,453	NEGATIVE
2	0,030	0,678	100	67,806	NEGATIVE
3	0,026	0,368	100	36,78	NEGATIVE
4	0,032	0,795	100	79,538	NEGATIVE
5	0,031	0,747	100	74,721	NEGATIVE
6	0,027	0,468	100	46,781	NEGATIVE
7	0,030	0,664	100	66,418	NEGATIVE
8	0,029	0,588	100	58,752	NEGATIVE
9	0,023	0,177	100	17,69	NEGATIVE
10	0,029	0,615	100	61,546	NEGATIVE
11	0,025	0,317	100	31,719	NEGATIVE
12	0,022	0,069	100	6,88	NEGATIVE
13	0,027	0,503	100	50,319	NEGATIVE
14	0,025	0,324	100	32,445	NEGATIVE
15	0,027	0,475	100	47,49	NEGATIVE
16	0,022	0,139	100	13,897	NEGATIVE
17	0,047	1,798	100	179,837	NEGATIVE
18	0,043	1,535	100	153,505	NEGATIVE
19	0,041	1,416	100	141,576	NEGATIVE
20	0,048	1,89	100	189,002	NEGATIVE
21	0,042	1,475	100	147,547	NEGATIVE
22	0,030	0,699	100	69,885	NEGATIVE
23	0,027	0,489	100	48,906	NEGATIVE
24	0,022	0,085	100	8,468	NEGATIVE
25	0,052	2,138	100	213,761	NEGATIVE
26	0,053	2,235	100	223,491	NEGATIVE
27	0,084	4,19	100	419,012	GREY ZONE
28	0,056	2,403	100	240,305	NEGATIVE
29	0,052	2,157	100	215,709	NEGATIVE
30	0,033	0,864	100	86,391	NEGATIVE
31	0,039	1,269	100	126,917	NEGATIVE
32	0,031	0,754	100	75,41	NEGATIVE
33	0,047	1,805	100	180,493	NEGATIVE
34	0,047	1,838	100	183,768	NEGATIVE
35	0,044	1,627	100	162,748	NEGATIVE
36	0,042	1,462	100	146,221	NEGATIVE
37	0,042	1,469	100	146,884	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of anti-spike RBD IgE in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORSRBD IgE ELISA has been especially developed for the quantitative analysis of anti-spike RBD IgE in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgE!



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	200	204,827	A1	2,500	2,462	0,033	1,4
		197,466	A2	2,440			
		197,929	A3	2,444			
Standard B	100	101,638	B1	1,491	1,468	0,026	1,8
		97,404	B2	1,44			
		100,308	B3	1,475			
Standard C	50	50,14	C1	0,808	0,812	0,004	0,5
		50,556	C2	0,814			
		50,699	C3	0,816			
Standard D	25	24,455	D1	0,413	0,413	0,012	2,8
		23,8	D2	0,402			
		25,249	D3	0,425			
Standard E	12,5	12,934	E1	0,226	0,222	0,008	3,5
		12,162	E2	0,213			
		13,025	E3	0,227			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,351	20,647	19,933	1,009	5,1	13,12-24,37 ng/ml
	H2	0,328	19,22				
High Control	H3	1,882	136,909	136,909	0	0	105-195 ng/ml

Negative samples mean OD	0,046	Negative samples STD deviation	0,014	CUT-OFF OD value	0,074 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORS1 IgE

Anti-S1 IgE ELISA

CORONA HUNTER®
"For Discovery and Better Understanding"

CORONAHUNTER® Q-CORS1 IgE ELISA

Enzyme immunoassay for the quantitative determination of anti-S1 IgE in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 IgE ELISA has been especially developed for the quantitative analysis of anti-S1 IgE in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgE!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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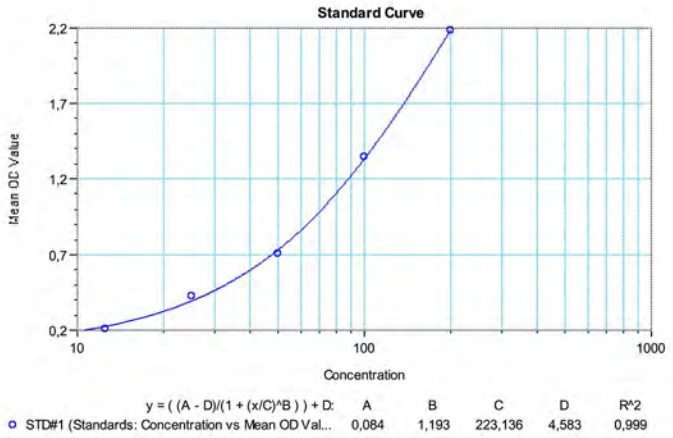


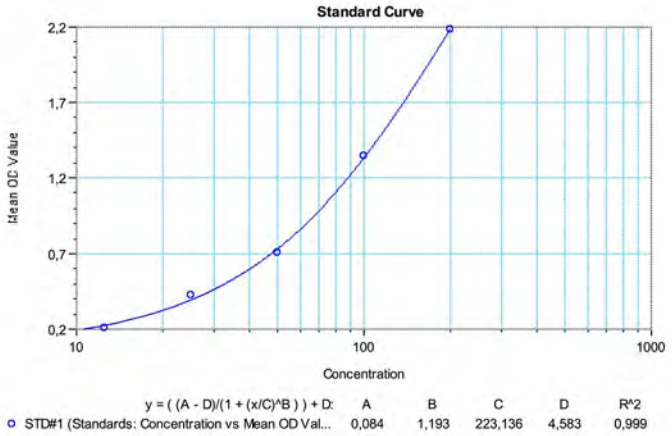
Catalog Number/Code	**Q-CORS1 IgE** COR-QNS-IGE-S1
Required Volume (µl)	5
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	6,25
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

S1 IgE					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,081	3,332	100	333,184	GREY ZONE
2	0,035	0,981	100	98,135	NEGATIVE
3	0,043	1,34	100	134,002	NEGATIVE
4	0,073	2,834	100	283,383	NEGATIVE
5	0,051	1,686	100	168,559	NEGATIVE
6	0,064	2,383	100	238,34	NEGATIVE
7	0,046	1,461	100	146,082	NEGATIVE
8	0,052	1,749	100	174,915	NEGATIVE
9	0,055	1,918	100	191,813	NEGATIVE
10	0,078	3,114	100	311,432	GREY ZONE
11	0,056	1,948	100	194,835	NEGATIVE
12	0,052	1,769	100	176,883	NEGATIVE
13	0,067	2,528	100	252,777	NEGATIVE
14	0,054	1,833	100	183,315	NEGATIVE
15	0,056	1,953	100	195,34	NEGATIVE
16	0,053	1,789	100	178,856	NEGATIVE
17	0,080	3,246	100	324,554	GREY ZONE
18	0,064	2,383	100	238,34	NEGATIVE
19	0,092	3,969	100	396,949	GREY ZONE
20	0,070	2,713	100	271,255	NEGATIVE
21	0,133	6,578	100	657,843	GREY ZONE
22	0,065	2,447	100	244,73	NEGATIVE
23	0,062	2,252	100	225,164	NEGATIVE
24	0,056	1,933	100	193,322	NEGATIVE
25	0,032	0,856	100	85,591	NEGATIVE
26	0,038	1,085	100	108,469	NEGATIVE
27	0,031	0,799	100	79,888	NEGATIVE
28	0,038	1,093	100	109,342	NEGATIVE
29	0,036	0,998	100	99,839	NEGATIVE
30	0,039	1,164	100	116,386	NEGATIVE
31	0,042	1,262	100	126,247	NEGATIVE
32	0,049	1,599	100	159,856	NEGATIVE
33	0,049	1,627	100	162,744	NEGATIVE
34	0,091	3,891	100	389,127	GREY ZONE
35	0,039	1,151	100	115,056	NEGATIVE
36	0,057	1,994	100	199,39	NEGATIVE
37	0,060	2,184	100	218,388	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of anti-S1 IgE in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORS1 IgE ELISA has been especially developed for the quantitative analysis of anti-S1 IgE in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgE!



Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	200	207,04	A1	1,665	1,63	0,046	2,8
		203,929	A2	1,647			
		192,18	A3	1,577			
Standard B	100	98,505	B1	0,968	0,966	0,005	0,5
		98,783	B2	0,97			
		97,509	B3	0,961			
Standard C	50	46,299	C1	0,555	0,592	0,048	8,1
		56,872	C2	0,646			
		48,438	C3	0,574			
Standard D	25	23,313	D1	0,335	0,366	0,032	8,7
		26,126	D2	0,364			
		29,54	D3	0,398			
Standard E	12,5	10,744	E1	0,189	0,212	0,020	9,3
		13,732	E2	0,227			
		13,133	E3	0,219			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,242	14,984	15,607	0,881	5,6	13,12-24,37 ng/ml
	H2	0,256	16,229				
High Control	H3	1,289	145,638	145,638	0	0	105-195 ng/ml

Negative samples mean OD	0,047	Negative samples STD deviation	0,015	CUT-OFF OD value	0,077 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	

Q-CORN-SRBD IgE

Nucleocapsid-SRBD IgE ELISA

CORONA HUNTER®
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CORONAHUNTER® Q-CORN-SRBD IgE ELISA

Enzyme immunoassay for the quantitative determination of Nucleocapsid-S RBD IgE in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN-SRBD IgE ELISA has been especially developed for the quantitative analysis of Nucleocapsid-SRBD IgE antibodies in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgE!

Various NIBSC* sera and panel sera, with the catalog numbers; NIBSC 20/B764, NIBSC 20/130, NIBSC 20/162, NIBSC 20/B770 determined with CORONAHUNTER® ELISA kits listed above.

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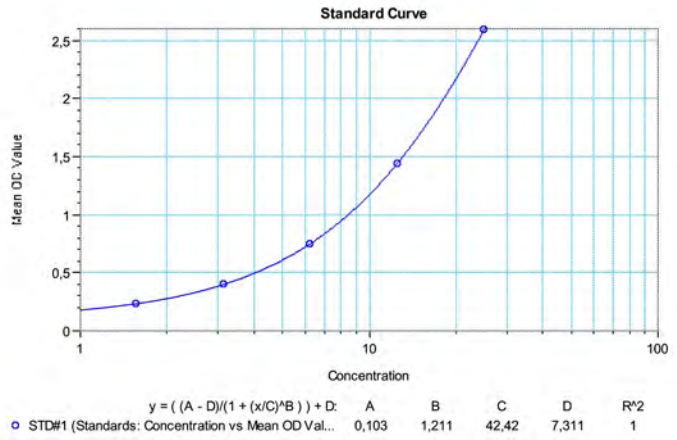


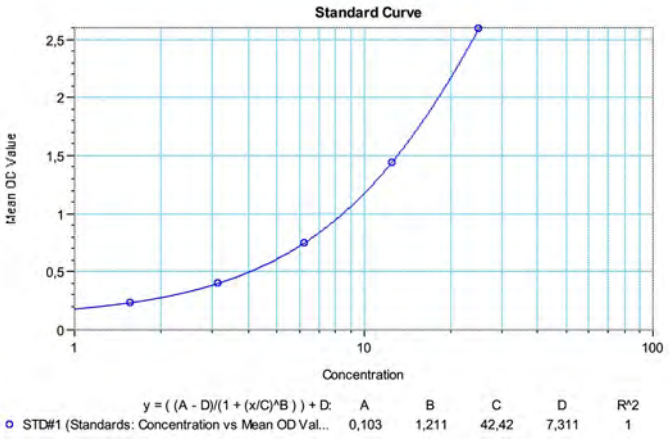
Catalog Number/Code	**Q-CORN-SRBD IgE** COR-QNS-IGE-NCP
Required Volume (µl)	5
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	1
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

NC S-RBD FUSION PROTEIN IgE					
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,036	Range?	100	Range?	NEGATIVE
2	0,036	Range?	100	Range?	NEGATIVE
3	0,034	Range?	100	Range?	NEGATIVE
4	0,036	Range?	100	Range?	NEGATIVE
5	0,026	Range?	100	Range?	NEGATIVE
6	0,029	Range?	100	Range?	NEGATIVE
7	0,035	Range?	100	Range?	NEGATIVE
8	0,032	Range?	100	Range?	NEGATIVE
9	0,036	Range?	100	Range?	NEGATIVE
10	0,034	Range?	100	Range?	NEGATIVE
11	0,036	Range?	100	Range?	NEGATIVE
12	0,041	Range?	100	Range?	NEGATIVE
13	0,044	Range?	100	Range?	NEGATIVE
14	0,047	Range?	100	Range?	NEGATIVE
15	0,045	Range?	100	Range?	NEGATIVE
16	0,032	Range?	100	Range?	NEGATIVE
17	0,037	Range?	100	Range?	NEGATIVE
18	0,041	Range?	100	Range?	NEGATIVE
19	0,034	Range?	100	Range?	NEGATIVE
20	0,035	Range?	100	Range?	NEGATIVE
21	0,024	Range?	100	Range?	NEGATIVE
22	0,029	Range?	100	Range?	NEGATIVE
23	0,04	Range?	100	Range?	NEGATIVE
24	0,027	Range?	100	Range?	NEGATIVE
25	0,041	Range?	100	Range?	NEGATIVE
26	0,044	Range?	100	Range?	NEGATIVE
27	0,052	Range?	100	Range?	NEGATIVE
28	0,046	Range?	100	Range?	NEGATIVE
29	0,047	Range?	100	Range?	NEGATIVE
30	0,054	Range?	100	Range?	NEGATIVE
31	0,042	Range?	100	Range?	NEGATIVE
32	0,038	Range?	100	Range?	NEGATIVE
33	0,044	Range?	100	Range?	NEGATIVE
34	0,046	Range?	100	Range?	NEGATIVE
35	0,042	Range?	100	Range?	NEGATIVE
36	0,035	Range?	100	Range?	NEGATIVE
37	0,03	Range?	100	Range?	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of Nucleocapsid-S RBD IgE in human serum and plasma

The Matriks Biotek CORONAHUNTER® Q-CORN-SRBD IgE ELISA has been especially developed for the quantitative analysis of Nucleocapsid-SRBD IgE antibodies in serum and plasma samples. CORONAHUNTER® "real" quantitative ELISA kits for Sars-Cov-2 are now available to measure the "absolute" values of IgE!



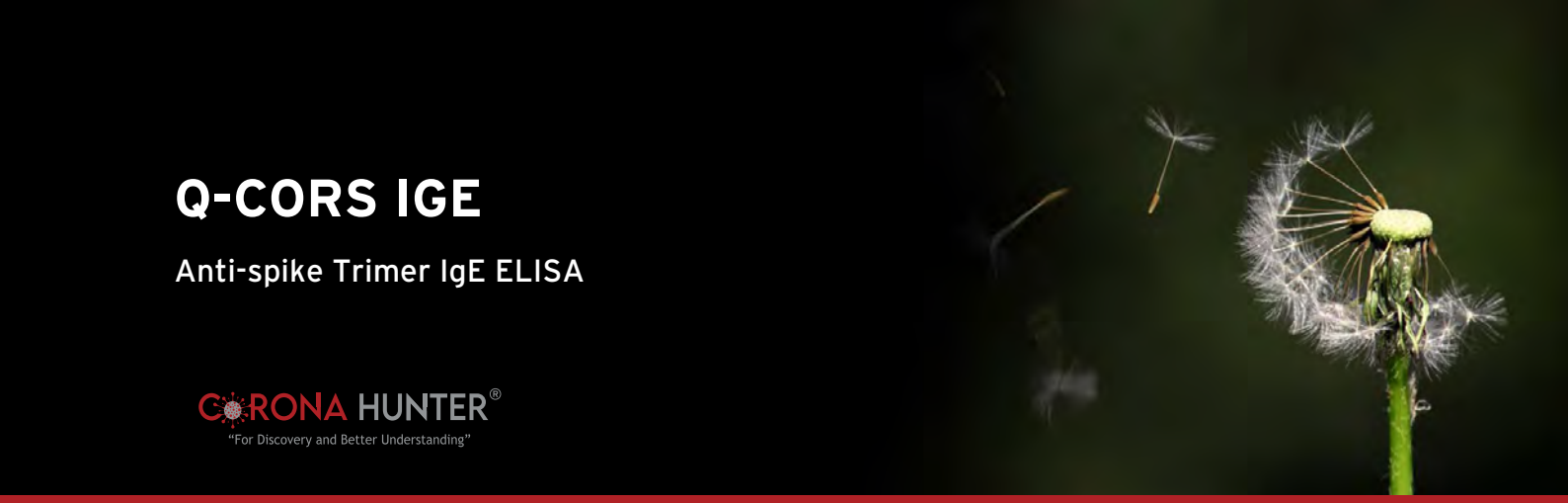
Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	25	25,96	A1	2,468	2,428	0,057	2,3
		24,078	A2	2,388			
Standard B	12,5	12,851	B1	1,647	1,616	0,045	2,8
		12,187	B2	1,584			
Standard C	6,25	6,099	C1	0,866	0,883	0,025	2,8
		6,354	C2	0,9			
Standard D	3,125	3,183	D1	0,457	0,453	0,006	1,2
		3,126	D2	0,449			
Standard E	1,563	1,533	E1	0,242	0,243	0,002	0,9
		1,56	E2	0,245			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	H1	0,661	4,63	4,673	0,062	1,3	3,22-5,98 ng/ml
	H2	0,673	4,717				
High Control	H3	2,115	18,941	19,125	0,261	1,4	13,125-24,37 ng/ml
	H4	2,138	19,31				

Negative samples mean OD	0,042	Negative samples STD deviation	0,007289915	CUT-OFF OD value	0,057 (Grey zone is the OD value between Standard E and CUT-OFF Ods)	NIBSC CUT-OFF OD value	0,033

Q-CORS IGE

Anti-spike Trimer IgE ELISA



CORONA HUNTER®
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CORONAHUNTER® Q-CORS IGE ELISA

Enzyme immunoassay for the quantitative determination of anti-spike Trimer IgE in human serum and plasma

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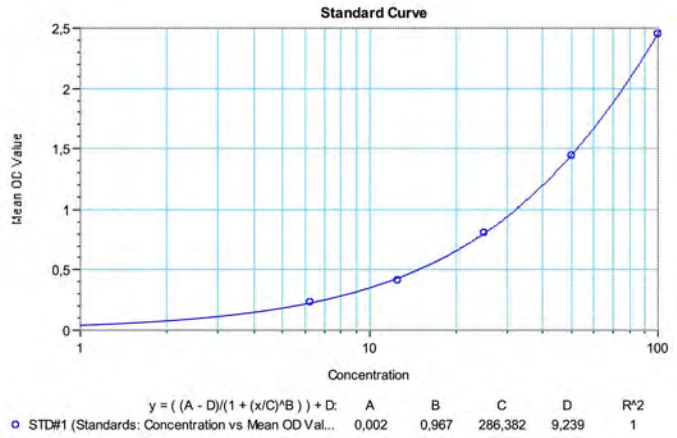

Catalog Number/Code	**Q-CORS IgE** COR-QNS-IGE-STRIM
Required Volume (µl)	5
Total Time (min)	105
Sample	Serum, plasma
Sample Number	96
Detection Limit (ng/ml)	3,5
Spike Recovery (%)	Between 85 - 115
Shelf Life (year)	1

MATRIKS BIOTEK

MATRIKS BIOTEK	S TRIMER IGE				
SAMPLE	OD	Concentration	Dilution	Adj. Con	Results
1	0,013	0,274	100	27,402	NEGATIVE
2	0,011	0,233	100	23,317	NEGATIVE
3	0,014	0,297	100	29,71	NEGATIVE
4	0,014	0,313	100	31,252	NEGATIVE
5	0,014	0,3	100	29,967	NEGATIVE
6	0,019	0,424	100	42,377	NEGATIVE
7	0,016	0,364	100	36,411	NEGATIVE
8	0,015	0,328	100	32,797	NEGATIVE
9	0,010	0,213	100	21,283	NEGATIVE
10	0,011	0,231	100	23,062	NEGATIVE
11	0,012	0,254	100	25,357	NEGATIVE
12	0,013	0,287	100	28,684	NEGATIVE
13	0,014	0,292	100	29,197	NEGATIVE
14	0,019	0,424	100	42,377	NEGATIVE
15	0,016	0,356	100	35,636	NEGATIVE
16	0,015	0,333	100	33,313	NEGATIVE
17	0,011	0,215	100	21,537	NEGATIVE
18	0,011	0,236	100	23,571	NEGATIVE
19	0,012	0,243	100	24,336	NEGATIVE
20	0,013	0,282	100	28,171	NEGATIVE
21	0,013	0,287	100	28,684	NEGATIVE
22	0,019	0,442	100	44,199	NEGATIVE
23	0,016	0,351	100	35,119	NEGATIVE
24	0,011	0,236	100	23,571	NEGATIVE
25	0,011	0,218	100	21,791	NEGATIVE
26	0,012	0,246	100	24,591	NEGATIVE
27	0,013	0,274	100	27,402	NEGATIVE
28	0,013	0,284	100	28,427	NEGATIVE
29	0,013	0,289	100	28,94	NEGATIVE
30	0,019	0,442	100	44,199	NEGATIVE
31	0,016	0,354	100	35,377	NEGATIVE
32	0,015	0,328	100	32,797	NEGATIVE
33	0,013	0,277	100	27,659	NEGATIVE
34	0,014	0,3	100	29,967	NEGATIVE
35	0,016	0,343	100	34,344	NEGATIVE
36	0,015	0,338	100	33,828	NEGATIVE
37	0,016	0,362	100	36,153	NEGATIVE

NIBSC 20/B770 PANEL SAMPLES FROM WHO (World Health Organization)

Enzyme immunoassay for the quantitative determination of anti-spike Trimer IgE in human serum and plasma

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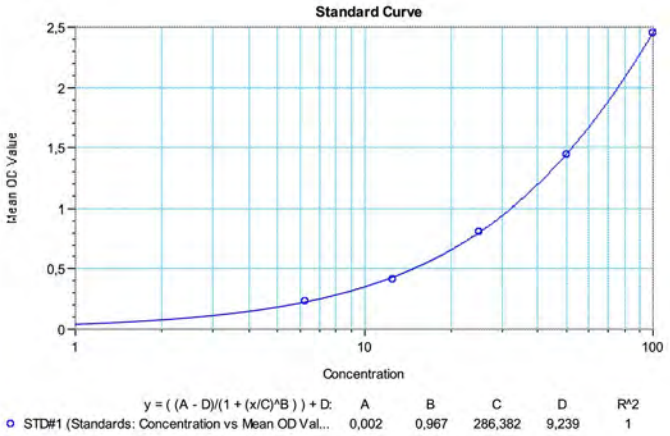


Standards	Concentration (ng/ml)	Back Calc Conc	Wells	OD Values	Mean OD Value	Std.Dev.	CV%
Standard A	100	96,43	A1	2,391	2,454	0,09	3,6
		103,697	A2	2,518			
Standard B	50	50,383	B1	1,452	1,44	0,017	1,2
		49,347	B2	1,427			
Standard C	25	25,221	C1	0,806	0,808	0,003	0,4
		25,366	C2	0,81			
Standard D	12,5	11,819	D1	0,406	0,418	0,017	4
		12,576	D2	0,43			
Standard E	6,25	5,909	E1	0,213	0,229	0,022	9,6
		6,831	E2	0,244			
Standard F	0						

Controls	Wells	OD Values	Concentration	Mean Conc. (ng/ml)	Std.Dev.	CV%	Expected value
Low Control	G1	0,693	21,271	21,102	0,238	1,1	13,12-24,3ng/ml
	G2	0,683	20,934				
High Control	H1	2,25	88,687	88,166	0,737	0,8	52,5-97,5ng/ml
	H2	2,231	87,645				

Negative samples mean OD	0,014	Negative samples STD deviation	0,002	CUT-OFF OD value	0,018	NIBSC CUT-OFF OD value	0,021

CORONA HUNTER®

"For Discovery and Better Understanding"

Related PRODUCTS

MATRIKS BIOTEK

OMALIZUMAB

SHIKARI®

Q-OMA • S-ATO

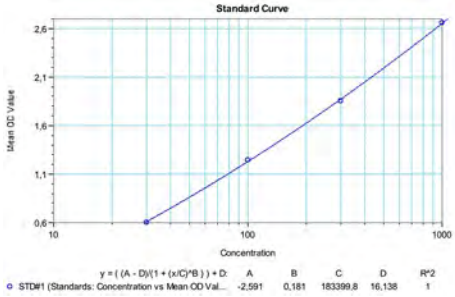
OMALIZUMAB (Xolair®) ELISA

Omalizumab is a recombinant, humanized, monoclonal antibody against human immunoglobulin E (IgE) which treats the symptoms of asthma and chronic idiopathic urticaria by limiting the allergic response. It inhibits the binding of IgE to receptors on mast cells and basophils, blocking the IgE-mediated secretion of inflammatory mediators from these cells. Mast cell activation and the release of mediators, in response to allergen exposure and IgE, results in a cascade of events. Measurement of biological drug trough levels and antibody to biological drug gained high importance during the course of treatment. These measurements enable dose adjustments and switch to another class of biological drug when necessary.

SHIKARI® Q-OMA: Enzyme immunoassay for the quantitative determination of omalizumab (Xolair®) in serum and plasma. This kit has been especially developed for the quantitative determination of omalizumabin serum and plasma samples between the Cmin and Cmax range of concentrations.

SHIKARI® S-ATO: Enzyme immunoassay for the qualitative determination of specific antibodies to omalizumab (Xolair®) in human serum and plasma. This kit has been especially developed for the qualitative determination of omalizumab in serum and plasma samples.

Shikari® (Q-OMA) Omalizumab ELISA



Catalog Number/Code	**Q-OMA** OMA-FD-XOL	**S-ATO** OMA-QLS-XOL
Required Volume (µl)	10	20
Total Time (min)	70	140
Sample	Serum, plasma	Serum, plasma
Sample Number	96	96
Detection Limit (ng/ml)	10	+ / -
Spike Recovery (%)	Between 85 - 115	-
Shelf Life (year)	1	1
Assay Type	Quantitative	Qualitative
Species Reactivity	Human	Human
Storage Conditions	Store at +4°C. Please refer to protocols.	Store at +4°C. Please refer to protocols.
Shipping Conditions	At room temperature	At room temperature

TOCILIZUMAB

SHIKARI®

Q-TOC • S-ATOC • S-ATOC w/confirmation

TOCILIZUMAB (Actemra®) ELISA

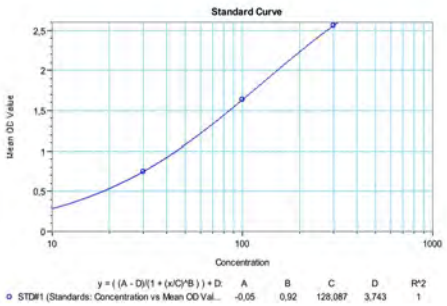
Tocilizumab is an interleukin-6 (IL-6) receptor antagonist used to treat Cytokine Release Syndrome (CRS), Systemic Juvenile Idiopathic Arthritis (sJIA), Giant Cell Arteritis (GCA), and Rheumatoid Arthritis (RA). Tocilizumab binds soluble and membrane bound IL-6 receptors, preventing IL-6 mediated inflammation. Measurement of biological drug trough levels and antibody to biological drug gained high importance during the course of treatment. These measurements enable dose adjustments and switch to another class of biological drug when necessary.

SHIKARI® Q-TOC: Enzyme immunoassay for the quantitative determination of Tocilizumab (Actemra®) in human serum and plasma. This kit has been especially developed for the quantitative determination of tocilizumab in serum and plasma samples between the Cmin and Cmax range of concentrations.

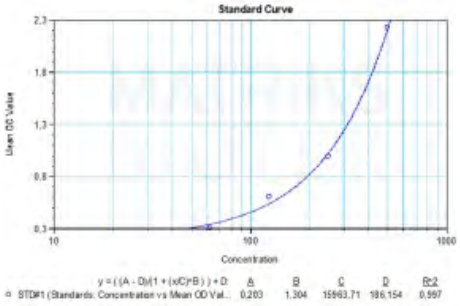
SHIKARI® S-ATOC: Enzyme immunoassay for the qualitative determination of Tocilizumab (Actemra®) in human serum and plasma. This kit has been especially developed for the qualitative determination of tocilizumab in serum and plasma samples.

SHIKARI® S-ATOC w/confirmation: Enzyme immunoassay for the quantitative determination of Tocilizumab (Actemra®) in human serum and plasma. This kit has been especially developed for the quantitative determination of tocilizumab in serum and plasma samples.

Shikari® (Q-TOC) Tocilizumab ELISA

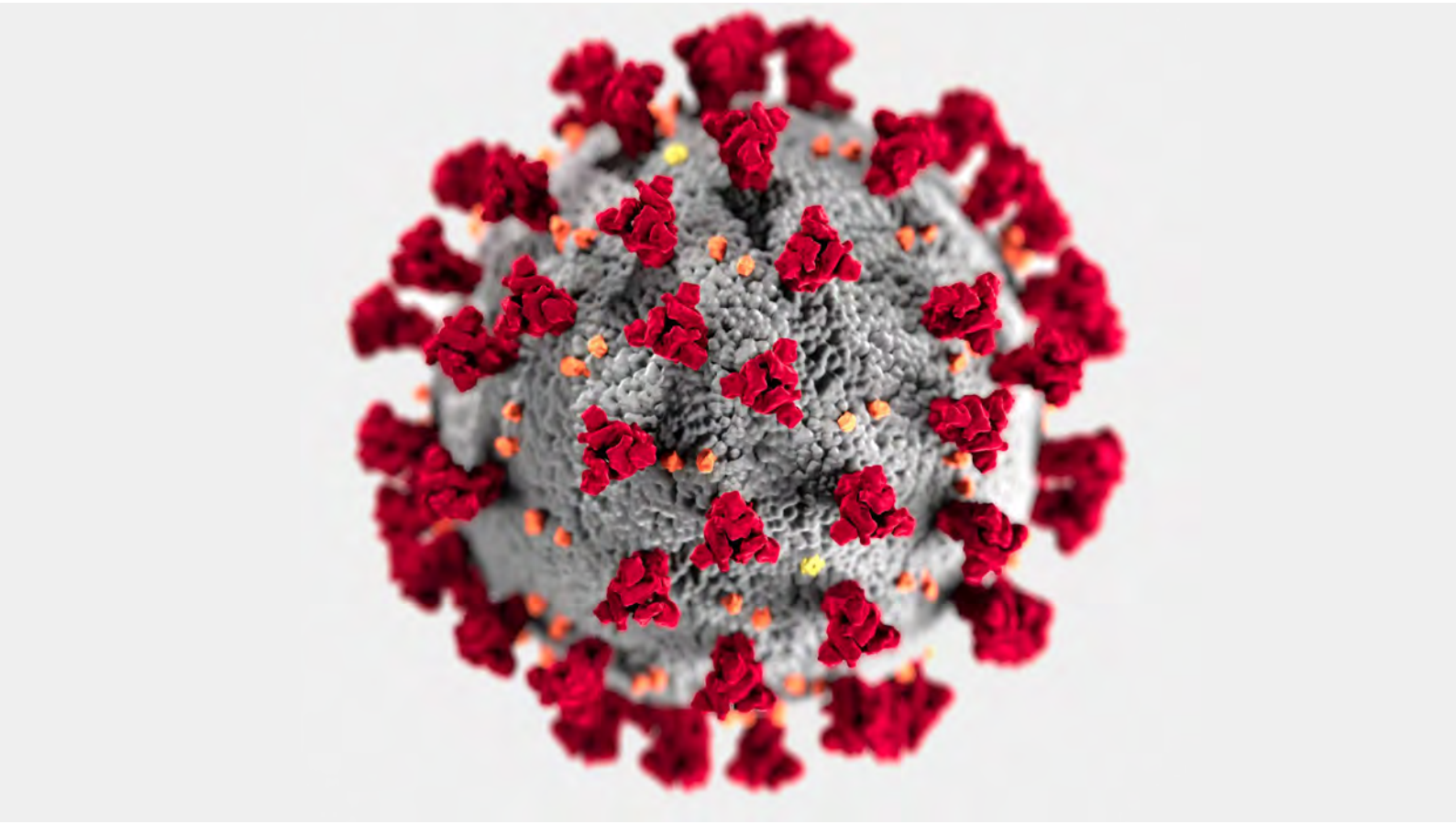


Shikari® (S-ATOC) Anti-Tocilizumab ELISA w/confirmation



Catalog Number/Code	**Q-TOC** TOC-FD-ACT	**S-ATOC** TOC-QLS-ACT	**S-ATOC w/confirmation** TOC-QNS-ACT
Required Volume (µl)	10	20	10
Total Time (min)	70	140	140
Sample	Serum, plasma	Serum, plasma	Serum, plasma
Sample Number	96	96	96
Detection Limit (ng/ml)	3	+ / -	5
Spike Recovery (%)	Between 85 - 115	-	Between 85 - 115
Shelf Life (year)	1	1	1
Assay Type	Quantitative	Qualitative	Quantitative
Species Reactivity	Human	Human	Human
Storage Conditions	Store at +4°C. Please refer to protocols.	Store at +4°C. Please refer to protocols.	Store at +4°C. Please refer to protocols.
Shipping Conditions	At room temperature	At room temperature	At room temperature

MATRIKS BIOTEK



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