

Covid-19 antibody testing kits & related antibodies, and proteins



We distribute several products for studying the virus, both for COVID-2019 testing, for vaccine/therapeutic development and in basic research. We want to help as much as we can by keeping you updated on the alternative test methods available and other products currently available in the market. We will secure you the availability of the products you need to carry out the research, in form of reliable, fast deliveries and keep stock if needed.

Let us know what you need, and we will do our best to help you.

We here present an overview of some of what we can offer.

- **Viral Transport and Preservation Medium CE-IVD**
- **MagBead Viral RNA Lysis Buffer**
- **COVID-19 IgG / IgM ELISA kits, CE-IVD**
- **GA-CoV-2 ELISA diagnostic workflow, CE-IVD**
- **COVID-19 Rapid Test IgG and IgM, CE-IVD**
- **SARS-CoV-2 Spike S1-RBD IgG&IgM ELISA Detection Kit, CE-IVD**
- **Antibodies to detect /related to SARS-CoV-2**
- **SARS-COV-2 recombinant proteins**



Viral Transport and Preservation Medium



BioServUK's viral transport and preservation medium is designed for the safe preservation and transport of viruses such as coronaviruses clinical samples for performance evaluation in PCR, RT-PCR, cell culture methods and other IVD procedures.

The media contains multiple antibiotics to prevent bacterial and fungal contamination and is supplied in sterile vials. Manufactured in Europe according to ISO13485 and ISO9001 QMS standards and to CDC (Centers for Disease Control and Prevention; SOP#: DSR-052-01).

Please see [here](#) for more information about formulation, tubes and other specifications.



MagBead Viral RNA Lysis Buffer

BioServUK MagBead Viral RNA Lysis Buffer is intended for the isolation and purification of total nucleic acids (DNA/RNA) from biological specimens for performance evaluation in in vitro diagnostic procedures.

Validated and used by Ireland's Health Service Executive, HSE

Direct replacement for Roche MagNA Pure 96 External Lysis Buffer (Code: 06374913001), Biomérieux Nuclisens Lysis Buffer (Code: 280134) and Qiagen Buffer RNAeasy Lysis Buffer (Code: 79216) Made in the UK

500 ml and 10 L packages

Please see [here](#) for more information about formulation, sizes and other specifications.



SARS-CoV-2 (COVID-19) IgG ELISA



Product Code: BSV-30177447, 96 tests

For the qualitative determination of IgG class antibodies against SARS-CoV-2 in human serum or plasma (citrate, heparin) to support the diagnosis of COVID-19 disease and constitutes a supplement to direct pathogen detection.

In addition, serology can be used to collect epidemiological information on the prevalence of SARS-CoV-2. Produced in Germany.

Sample Type: Human serum or Plasma

Specificity: > 99.24%

See datasheet [here](#)



SARS-CoV-2 (COVID-19) IgM ELISA



Product Code: BSV-30177448, 96 tests

For the qualitative determination of IgM class antibodies against SARS-CoV-2 in human serum or plasma (citrate, heparin) to support the diagnosis of COVID-19 disease and constitutes a supplement to direct pathogen detection. Produced in Germany.

Sample Type: Human serum or Plasma

Specificity: > 100%

See datasheet [here](#).



GA ELISA kits for COVID-19 diagnostics



GA-CoV-2 ELISA diagnostic workflow includes 3 screens for all immunodominant proteins of SARS-CoV-2 (N, S1, S2) achieving an overall specificity of 99%. The round of the screening includes both [IgM](#) and [IgG](#) with a sensitivity of 98% ten days post infection.

The [GA CoV-2 IgG+ confirmatory test](#) offers reliable support to differentiate other coronavirus infections and aids in the assessment of immune protection. Following a positive antibody result in screening, virus-specific antibodies against the N, S1 and S2 proteins are determined using this confirmatory test. It is known that antibodies to the nucleocapsid (N) protein, may have been generated during a previous SARS or MERS infection. By confirming double positivity, and the confirmation of S1 or S2 antibodies specifically, we increased the specificity in our clinical trial to 99%.

Produced in Germany.



BSV-3920	GA CoV-2 IgG EIA	96 tests
BSV-3930	GA CoV-2 IgM EIA	96 tests
BSV-3940	GA CoV-2 IgG+ EIA	96 tests

Sample Type: Blood, Serum or Plasma

Overall specificity: > 99%

Sensitivity: ~ 98%

COVID-19 Human IgM and IgG Rapid Test



Product Code: BSV-17043.T0010, 10 tests

COVID-19 Human IgM/IgG Rapid Test provides a fast, convenient, and qualitative testing of human whole blood, plasma, and serum for COVID-19 IgM and IgG. Produced in Germany.

Sample Type: Whole blood, Serum, or Plasma

Sensitivity: IgG > 99.9 % / IgM 91.8%

Specificity: IgG 99.5 % / IgM 99.2%

Duration: A qualitative result can be read (visual inspection) after 10 minutes
The Corona Virus Rapid Test kit is CE-compliant. We recommend this kit for professional use only.

Instructions for use, click [here](#)





SARS-CoV-2 ELISA Detection Kits

GenScript offers a comprehensive array of services and products which could be useful for your research. Most of them are in-stock and can be shipped immediately once ordered.



The **SARS-CoV-2 Spike S1-RBD IgG&IgM ELISA Detection Kit** is intended for the determination of IgG and IgM antibodies separately against SARS-CoV-2 Spike S1-Receptor Binding Domain (RBD) in human serum or plasma.

The **SARS-CoV-2 NP&RBD Total Antibody ELISA Detection Kit** is intended for the determination of total antibodies (including IgA, IgM and IgG) in human serum or plasma against SARS-CoV-2 Spike NP&RBD recombinant antigen.

The **SARS-CoV-2 Surrogate Virus Neutralization Test (svNT) Kit** can detect circulating neutralizing antibodies against SARS-CoV-2 that block the interaction between the receptor binding domain of the viral spike glycoprotein (RBD) with the ACE2 cell surface receptor. The assay detects any antibodies in serum and plasma that neutralize the RBD-ACE2 interaction. The test is both species and isotype independent.

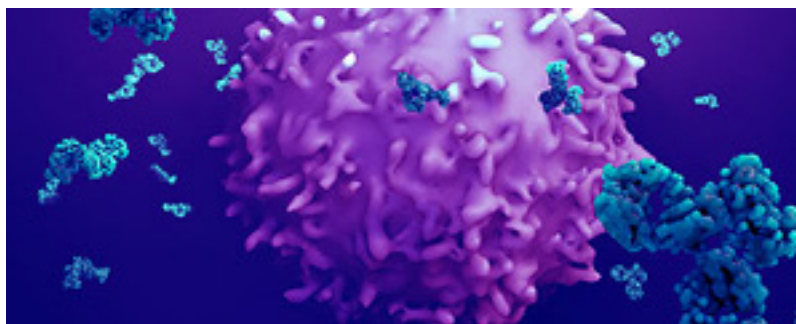
L00845	SARS-CoV-2 Spike S1-RBD IgG&IgM ELISA Detection Kit	1 kit, 96 tests	CE- IVD
L00846	SARS-CoV-2 NP&RBD Total Antibody ELISA Detection Kit	1 kit, 96 tests	CE- IVD
L00847	SARS-CoV-2 Surrogate Virus Neutralization Test Kit	1 kit, 96 tests	CE- IVD

Contact us for more information or to get a quote.

Antibodies to detect-related to SARS-CoV-2 research

A02038	SARS-CoV-2 Spike S1 Antibody (HC2001), Human Chimeric	100 ug/ 1mg	RUO
A02046	SARS-CoV-2 Spike S1 Antibody (hlgM2001), Human Chimeric	100 ug/ 1mg	RUO
A02039	SARS-CoV-2 Nucleocapsid Antibody (HC2003), Human Chimeric	100 ug/ 1mg	RUO
Z03484	ACE-2 Fc Chimera, Human	100 ug/ 1mg	RUO
A01854-200	Mouse Anti-Human IgG Fc Antibody[HRP], mAb	200 ul	RUO

GenScript continues to add new antibodies to the catalogue daily so please check back regularly for new product updates and contact BioNordika for more information, pricing and ordering. **SARS-CoV-2 Nucleocapsid Protein (N-protein) and Spike Protein (S-protein) / Receptor Binding Domain (RBD)** Monoclonal Antibodies will be available soon. Please contact us for additional data such as epitope binning, antibody pairing, neutralizing activity for these clones.



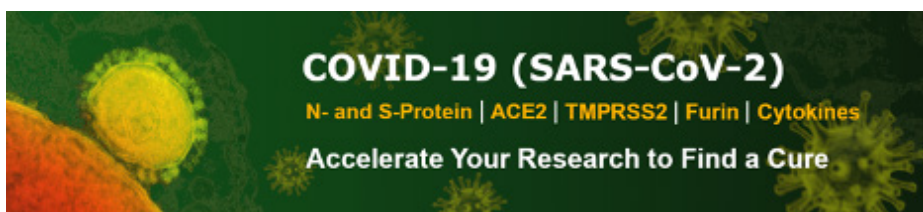
Contact us for more information or to get a quote.

Antibodies to detect SARS-CoV-2

TA355143	SARS-CoV-2 N Protein Mouse Monoclonal Antibody [Clone ID: 6F10], 50 ug	ELISA, IHC, WB	See datasheet here
TA355144	SARS-CoV-2 N Protein Rabbit Polyclonal Antibody	ELISA, IHC, WB	See datasheet here

Besides these selected antibodies Origene has a wide range of other antibodies and tools to investigate SARS-CoV-2.

For an overview see [here](#).



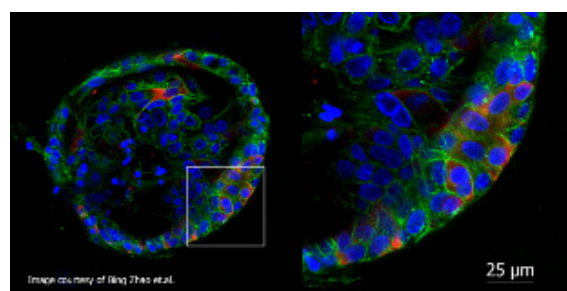
Antibodies to detect SARS-CoV-2

Due to high homology between 2002 SARS-CoV (the virus causing SARS) and SARS-CoV-2, existing antibodies against SARS can be used to detect SARS-CoV-2. Cross-reactivity can be expected due to high homology between the amino acid sequences of the two viruses. Rockland Immunochemicals manufacturing facility is located in the US. Custom and bulk formulation are possible.

100-401-A55	SARS-CoV Membrane Protein Antibody, 100 ul	IF, WB, IP, IMMUNOELECTRON MICROSCOPY	Description
200-401-A50	SARS Nucleocapsid Protein Antibody, 500 ug	ELISA, IF, WB	Description

Rockland's **Anti-SARS CoV Nucleocapsid Antibody (#200-401-A50)** has shown immense success in various diagnostic platforms by detecting the SARS-CoV-2 virus in patient specimens.

The immunofluorescence microscopy image above shows localization of SARS-CoV-2 infection in human liver ductal 330 organoids. SARS-CoV-2 N is indicated in red using Anti-SARS CoV Nucleocapsid Antibody, while E-cadherin is in green and DAPI staining of chromatin in blue.



References for SARS Nucleocapsid Protein Antibody (#200-401-A50):

- Rapid reconstruction of SARS-CoV-2 using a synthetic genomics platform.; Thao, T.T.N., Labrousseau, F., Ebert, N. et al. Nature (2020). (PubMed)
- Recapitulation of SARS-CoV-2 Infection and Cholangiocyte Damage with Human Liver Organoids.;2020;bioRxiv;Zhao B. et al.;(PubMed)
- Detection of Nucleocapsid Antibody to SARS-CoV-2 is More Sensitive than Antibody to Spike Protein in COVID-19 Patients.;2020;medrxiv;Burbelo P.D. et al.;(PubMed)
- Functional and Genetic Analysis of Viral Receptor ACE2 Orthologs Reveals Broad Potential Host Range of SARS-CoV-2.;2020;bioRxiv;Liu Y. et al.;(PubMed)
- Disparate temperature-dependent virus – host dynamics for SARS-CoV-2 and SARS-CoV in the human respiratory epithelium.;2020;bioRxiv;V'kovski P. et al.;(PubMed)

See all antibodies against SARS-Cov from Rockland inc. [here](#)

Antibodies to detect /related to SARS-CoV-2

BioServUK's very large range of SARS-CoV-2 polyclonal and monoclonal antibodies cover a panel of related antigens, including the Nucleocapsid (NP) and Spike (S1/S2) proteins. These are ideal for a variety of uses including Western Blotting, Immunohistochemistry, Immunofluorescence and ELISA. BioServUK continues to add new antibodies to the [catalogue](#) daily so please check back regularly for new product updates and contact BioNordika for more information, pricing and ordering.



SARS-CoV-2 recombinant proteins

GenScript launched a comprehensive array of proteins for COVID-19 research and they serve as excellent antigens in ELISA and Western Blot and in the rapid detection of relative virus seroconverters with optimal specificity.

Antigen	Tag	Cat.no	Source	Product name
N protein	tag-free	Z03488	E.coli	SARS-CoV-2 Nucleocapsid protein
	His	Z03480	E.coli	SARS-CoV-2 Nucleocapsid protein (His Tag)
S-ECD	His&Flag	Z03481	Sf9 insect cells	SARS-CoV-2 Spike protein (ECD, His & Flag Tag)
S-RBD	His	Z03479	Sf9 insect cells	SARS-CoV-2 Spike protein (RBD, His Tag)
		Z03483	Human Cells	SARS-CoV-2 Spike protein (RBD, His Tag)
	FC	Z03491	Human Cells	SARS-CoV-2 Spike protein (RBD, mFC Tag)
S1 protein	tag-free	Z03501	Human Cells	SARS-CoV-2 Spike protein (S1)
	His	Z03485	Human Cells	SARS-CoV-2 S1 protein (His-tagged)
S2-ECD			Human Cells	SARS-CoV-2 S2 protein (ECD,FC-tagged)

SARS-CoV-2 recombinant proteins

BioServUK's highly purified recombinant proteins come with a variety of tags including Fc and His-tags and consist of a variety of components of the SARS-CoV-2 including **Nucleocapsid proteins, Spike proteins, the targeted ACE2 protein and Glycoproteins.**

Here is a selection of Nucleocapsid proteins. Total overview of portfolio of proteins can be found [here](#).

BSV-COV-PR-004	SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein (His tag) (100 µg)	100 µg	Baculovirus-Insect Cells	See datasheet here
BSV-COV-PR-30	SARS-CoV-2 (COVID-19) Nucleocapsid Protein	500 µg	E. coli	See datasheet here
LTP-V001	Coronavirus SARS-CoV-2 Nucleocapsid Protein, DYKDDDDK tag (50 µg)	50 µg	HEK293 Cells	See datasheet here