Phone: +49 (0)241 95 163 153
Fax: +49 (0)241 95 163 155
E-Mail: info@antibodies-online.com
www.antibodies-online.com

Datasheet for ABIN6952527

SARS-CoV-2 N-Protein IgG Antibody (SARS-CoV-2 N IgG) ELISA Kit

Overview

Antigen:	SARS-CoV-2 N-Protein IgG Antibody (SARS-CoV-2 N IgG)
Reactivity:	Coronavirus (2019-nCoV)
Method Type:	Sandwich ELISA
Application:	ELISA

Catalog no.	Price	Quantity	Availability
ABIN6952527 SARS-CoV-2 N-Protein IgG Antibody (SARS-CoV-2 N IgG) ELISA Kit	Please check our website for current price.	**96 tests**	**Available** Delivery in 3 to 4 Business Days (Ships to: Asia)

Product Details

Purpose:	ELISA for the Qualitative determination of Anti-Human Covid-19 IgG in respiratory specimens and sera. Antibodies are raised against the nucleocapsid protein of Covid-19
Sample Type:	Respiratory Specimen, Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric
Characteristics:	Enzyme Immunoassay for the Qualitative determination of IgG Antibodies to Human SARS-CoV-2 (Covid-19) Nucleocapsid Protein in respiratory specimens and serum *(under CE registration) Precoated plates using nucleocapsid protein of human SARS-CoV-2 for capture/detection
Components:	• Recombinant SARS-CoV-2 (Covid-19) nucelocapsid protein Coated Microtiter Plate (12 x 8 wells) - 1 no • Positive Control (Anti-Human SARS-CoV-2 (Covid-19)) - 1 vial • Negative Control - 1 vial • Recombinant SARS-CoV-2 (Covid-19):HRP Conjugate - 1 vial • (20X) Assay Diluent - 8 ml • (20X) Wash Buffer - 25 ml

antibodies-online GmbH
Schloss-Rahe-Str. 15
52072 Aachen
Germany

Phone: +49 (0)241 95 163 153
Fax: +49 (0)241 95 163 155
E-Mail: info@antibodies-online.com
www.antibodies-online.com

Product Details

- TMB Substrate - 13 ml
- Stop Solution - 8 ml

Material not included:

- Microtiter Plate Reader able to measure absorbance at 450 nm.
- Adjustable pipettes and multichannel pipettor to measure volumes ranging from 25 **µL to 1000 µL**
- Deionized (DI) water
- Wash bottle or automated microplate washer
- Graph paper or software for data analysis
- Timer
- Absorbent Paper

Target Details

Antigen:	SARS-CoV-2 N-Protein IgG Antibody (SARS-CoV-2 N IgG)
Alternative Name:	SARS-CoV-2 N-Protein IgG Antibody

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Plate:	Pre-coated
Protocol:	The method employs sandwich ELISA technique. Human SARS-CoV-2 protein is pre-coated onto microwells. Samples and standards are pipetted into microwells and IgG Antibodies to human SARS-CoV-2 (Covid-19) present in the sample are bound by the protein antigen. After incubation the wells are washed and followed by HRP-conjugated Detection Antigen is pipetted and incubated to form a complex. After washing microwells in order to remove any non-specific binding, the substrate solution (TMB) is added to microwells and color develops proportionally to the amount of IgG Anti-Human SARS-CoV-2 (Covid-19) in the sample. Color development is then stopped by addition of stop solution. Absorbance is measured at 450 nm.
Sample Collection:	Specimens should be clear and non-hemolyzed. Samples should be run at a number of dilutions to ensure accurate quantitation. • Extract as soon as possible after specimen collection as per relevant procedure. The samples should be tested as soon as possible after the extraction. Alternately the extracted

antibodies-online GmbH
Schloss-Rahe-Str. 15
52072 Aachen
Germany

Phone: +49 (0)241 95 163 153
Fax: +49 (0)241 95 163 155
E-Mail: info@antibodies-online.com
www.antibodies-online.com

Application Details

	samples can be kept in -20 **°C. Avoid repeated freeze-thaw cycles.** • Serum- Coagulate at room temperature for 10-20 **minutes, centrifuge for 20-min at 2000-3000 rpm. Remove the supernatant. If precipitation appears, recentrifuge.** • Respiratory Specimens- Collect sample in a sterile container. Centrifuge for 20-mins at 2000-3000 rpm. Remove the supernatant carefully.
Assay Procedure:	1. Pipette 100 **µL of Controls and Samples to the respective wells. Seal plate and incubate for 2 hours at Room Temperature (18-25 °C).** 2. Aspirate and wash plate 3 times with Wash Buffer (1X) and blot residual buffer by firmly tapping plate upside down on absorbent paper. Wipe of any liquid from the bottom outside of the microtiter wells as any residue can interfere in the reading step. All the washes should be performed similarly. 3. Add 100 **µL of SARS-CoV-2 (Covid-19):HRP Conjugate to each well.** 4. Seal plate and incubate for 1 hour at Room Temperature (18-25 **°C).** 5. Wash plate 3 times with Wash Buffer (1X) as in step 2. 6. Pipette 200 **µL of TMB Substrate solution (premixed Substrate A and Substrate B).** 7. Incubate in the dark for 20 **minutes at Room Temperature. Positive wells should turn bluish in color.** 8. Stop reaction by adding 50 **µL of Stop Solution to each well. Positive wells should turn from blue to yellow.** 9. Read absorbance at 450 nm within 20 **minutes of stopping reaction.**
Calculation of Results:	Cut Off Value = Mean for Negative + 0.1 Positive Sample Value = OD > Cut Off value Negative Sample Value = OD < Cut Off value Calculation for Cut off Values: Read the sample and negative control wells on microtitre plate reader at 450nm. The OD (Optical Density) of NC (Negative Control) in triplicate should be used for calculating the mean and standard deviation. This is the Negativemean. The cut-off for positives is equal to a value greater than (Negativemean + Standard Deviation).
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store main kit components at 2-8°C. Store recombinant Standard at -20°C. Aliquot recombinant protein and detection antibody into

antibodies-online GmbH
Schloss-Rahe-Str. 15
52072 Aachen
Germany

Phone: +49 (0)241 95 163 153
Fax: +49 (0)241 95 163 155
E-Mail: info@antibodies-online.com
www.antibodies-online.com

Handling

polypropylene vials and store at -20°C as per assay requirements. Do not freeze thaw for more than two times.

Before using, bring all components to room temperature (18-25°C). Upon assay completion return all components to appropriate storage conditions.

The Substrate is light-sensitive and should be protected from direct sunlight or UV sources.

antibodies-online GmbH
Schloss-Rahe-Str. 15
52072 Aachen
Germany

Phone: +49 (0)241 95 163 153
Fax: +49 (0)241 95 163 155
E-Mail: info@antibodies-online.com
www.antibodies-online.com

Please address orders & technical inquiries to:

antibodies-online GmbH
Schloss-Rahe-Str. 15
52072 Aachen
Germany

Phone +49 (0)241 95 163 153
Fax +49 (0)241 95 163 155
info@antibodies-online.com

If you prefer to order via fax you may use this as order form. Just enter all fields possible and send it to us using the fax number above.

Orderer

Salutation (Mr./Ms.):	Title:
Name:	Institution:
Phone:	Email:

Shipping address

Name recipient:	Institution:
Street:	Postal code:
City:	Country:

Billing address

Name recipient:	Institution:
Street:	Postal code:
City:	Country:

Other

VAT ID:	Purchase Order Number (PON) (Optional):

Your Order

Pos.	Product-ID	Product-Name	Amount
1.	ABIN6952527	SARS-CoV-2 N-Protein IgG Antibody (SARS-CoV-2 N IgG) ELISA Kit	
2.			
3.			

I took note of and accepted the terms and conditions of antibodies-online GmbH (https://www.antibodies-online.com/terms/).

Place, Date Signature