

COVID 19 Spike glycoprotein (S) Coronavirus Recombinant Antibody | COVID-19 recombinant antibody

Human Novel Coronavirus Spike glycoprotein (S) (16-685aa) Antibody

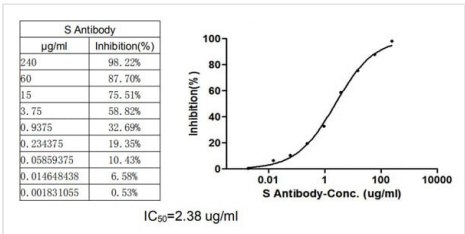
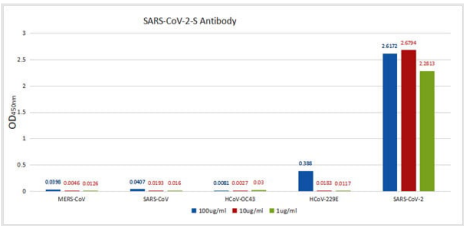
CATALOG # AAA27036	REACTIVITY Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)	APPLICATIONS ELISA, Cytotoxicity Assay, Neutralization Assay
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PRODUCT SYNONYMS

COVID 19 Spike glycoprotein (S) Coronavirus; Monoclonal Recombinant Antibody; Human Novel Coronavirus Spike glycoprotein (S) (16-685aa) Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike glycoprotein (S); S; S1; S1-RBD; COVID-19 recombinant antibody

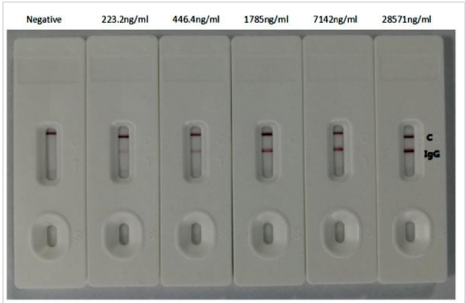
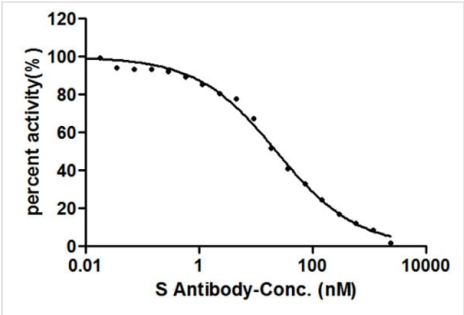
PRODUCT SPECIFICATIONS

Reactivity	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Clonality	Monoclonal
Isotype	Mouse scFv fusion with human IgG1 Fc
Clone Number	H6
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Applicable Applications for COVID-19 recombinant antibody	ELISA, GICA (Colloidal Gold Immunochromatographic Assay), NTRL (Neutralization Assay)
Application Notes	ELISA: 1:10000-1:50000 GICA: 1:500-1:5000 Neutralising: 1:50-1:10000
Immunogen	Recombinant Human Novel Coronavirus Spike glycoprotein (S) (16-685aa)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Immunogen Species	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Research Area	Microbiology
Gene Names	S (Spike glycoprotein)
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



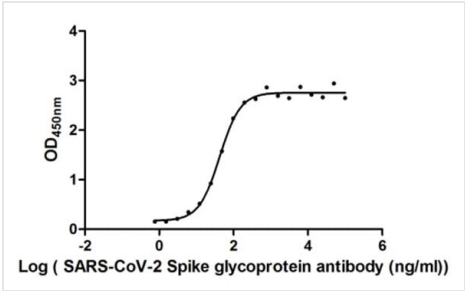
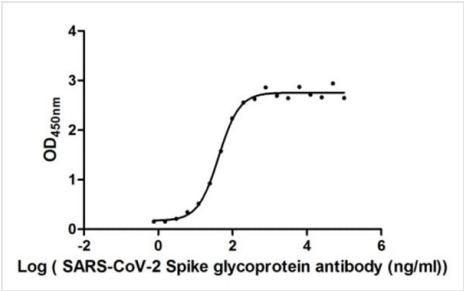
ELISA
ELISA: Immobilize various types of SARS proteins at concentration of 2mg/ml on solid substrate, then react with SARS-CoV-2-S Antibody at concentration of 100mg/ml, 10mg/ml and 1mg/ml. It shows the SARS-CoV-2-S Antibody (AAA27036) is specific for SARS-CoV-2-S1-RBD protein, without any cross-reactivity with MERS-CoV, SARS-CoV, HCoV-OC43 or HCoV-229E.

Application Data
Binding signal of SARS-CoV-2-S1-RBD and ACE2 protein-HRP conjugate was inhibited by S Antibody (AAA27036) with the IC50 is 2.38 mg/ml.



Application Data
Binding signal of SARS-CoV-2-S1-RBD and ACE2 protein-HRP conjugate was inhibited by S Antibody (AAA27036) with the IC50 is 23.32 nM.

Application Data
In the Colloidal Gold Immunochromatography Assay detection system, the background of antibody (AAA27036) is clean, the detection limit can be as low as 223.2ng/ml (15.625ng/0.07ml), and the sensitivity is very good.



Application Data
The Binding Activity of SARS-CoV-2-S Antibody with SARS-CoV-2-S1-RBDActivity: Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S1-RBD at 2 mg/ml can bind SARSCoV-2-S Antibody, the EC50 is 29.51 ng/ml.

Application Data
The Binding Activity of SARS-CoV-2-S Antibody with SARS-CoV-2-SActivity: Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-S at 2 mg/ml can bind SARSCoV-2-S Antibody, the EC50 is 42.83 ng/ml.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant antibody	Recombinant anti-SARS-CoV-2 spike Mouse ScFv is expressed from 293 cells (HEK293) with a human IgG1 Fc tag on C-terminal.
Product Categories/Family for COVID-19 recombinant antibody	Infectious Diseases

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.