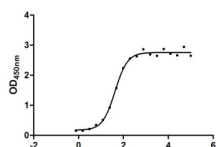


Product no **AS20 4386****Anti-S protein of Novel Coronavirus SARS-CoV-2/ 2019-nCoV (human)****Product information**

Immunogen	Recombinant Human Novel Coronavirus Spike glycoprotein (S) (16-685aa), UniProt: P0DTC2 Antigen sequence has highest homology to Spike protein S1.
Host	Mouse
Clonality	Monoclonal recombinant
Subclass/isotype	Mouse scFv fusion with human IgG1 Fc
Purity	Immunoglobulin purified on Protein A in 10 mM PBS, pH 7.4, 50 % glycerol, 0.03% Proclin 300.
Format	Liquid
Quantity	100 µl
Storage	Store at -20 °C or -80 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1: 500 - 1: 40 000 (Colloidal Gold Immunochromatography), 1: 10 000 - 1: 50 000 (ELISA)
Expected apparent MW	141 kDa
Confirmed reactivity	Human Novel SARS-CoV-2/ 2019-nCoV S protein
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Recombinant anti-SARS-CoV-2 spike Mouse ScFv is expressed in 293 cells (HEK293) with a human IgG1 Fc tag on C-terminal. Therefore, anti-human IgG1 Fc (gamma chain), secondary antibody has to be used: AS20 4390

Application example

Binding Activity of SARS-CoV-2-S Antibody measured by its binding ability in a functional ELISA. Wells were coated with Recombinant Human Novel Coronavirus Spike glycoprotein(S) ([AS20 4389](#)) at 2 µg/ml. EC₅₀ of SARS-CoV-2-S antibodies is 36.79 - 48.87 ng/ml.