

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

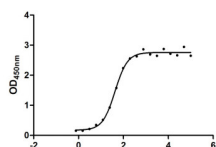
**Recommended dilution** | 1: 500 - 1: 40 000 (Colloidal Gold Immunochromatography), 1: 10 000 - 1: 50 000 (ELISA)

**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. EC<sub>50</sub> of SARS-CoV-2-S antibodies is 36.79 - 48.87 ng/ml.