

Cat No: 9159001

Product: SARS-CoV-2 (2019-nCoV) Spike S2 Antibody, Chimeric MAb

Pack Size: 100 µL

Isotype: mouse (variable region) / human (kappa / IgG1 constant) chimeric antibody

Clone: KD001

Storage: This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Background (Function): The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity.

Immunogen: Recombinant SARS-CoV-2 / 2019-nCoV Spike S2 ECD Protein

Synonyms: spike

Purification: Protein A

Specificity: SARS-CoV-2 (2019-nCoV) Spike S2 Protein

Has cross-reactivity in ELISA with SARS-CoV-2 Spike S1+S2 ECD Protein, SARS-CoV Spike S1+S2 ECD Protein, MERS-CoV Spike S1+S2 ECD Protein,

No cross-reactivity in ELISA with MERS-CoV Spike S2, SARS-CoV-2 (2019-nCoV) Spike S1 SARS-CoV-2 (2019-nCoV) Spike RBD, MERS-CoV Spike S2 Protein, HCoV-OC43-Spike S1+S2 Protein, HCoV-229E-Spike S1+S2 Protein, HCoV-HKU1 (isolate N5) Spike S1+S2 Protein, HCoV-NL63-Spike S1+S2 Protein

Tested Application: ELISA (Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)

Recommended Dilution: 1:5000-1:10000

Formulation: 0.2 µm filtered solution in PBS

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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