

**Cat No:** 91150001

**Product:** SARS-CoV-2 (2019-nCoV) Spike antibody, Chimeric MAb

**Pack Size:** 50 µL /100 µL

**Ig Type:** mouse (variable region) / human (kappa / IgG1 constant) chimeric antibody

**Clone ID:** 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 Spike RBD Protein

**Synonyms:** Anti-coronavirus s1 Antibody; Anti-coronavirus s2 Antibody; Anti-coronavirus spike Antibody; Anti-cov spike Antibody; Anti-ncov RBD Antibody; Anti-ncov s1 Antibody; Anti-ncov s2 Antibody; Anti-ncov spike Antibody; Anti-novel coronavirus RBD Antibody; Anti-novel coronavirus s1 Antibody; Anti-novel coronavirus s2 Antibody; Anti-novel coronavirus spike Antibody; Anti-RBD Antibody; Anti-S1 Antibody; Anti-s2 Antibody; Anti-Spike RBD Antibody

**Specificity:** SARS-CoV Spike RBD Protein

Has cross-reactivity in ELISA with SARS-CoV Spike S1 Protein SARS-CoV-2 (2019-nCoV) Spike S1 Protein SARS-CoV-2 (2019-nCoV) Spike RBD Protein

No cross-reactivity in ELISA with MERS-CoV Spike S1 Protein HCoV-HKU1 (isolate N1) Spike S1 Protein, HCoV-HKU1 (isolate N5) Spike S1 Protein, HCoV-NL63 Spike S1 Protein (HCoV-229E Spike S1 Protein, HCoV-OC43 Spike S1+S2 ECD Protein

**Tested Application:**

ELISA

IHC, FCM, IF, IP et al. applications haven't been validated.

(Antibody's applications haven't been validated with corresponding virus positive samples. Optimal concentrations/dilutions should be determined by the end user.)

**Recommended Dilution:** ELISA: 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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