

Cat No : 91150003

Product name: SARS-CoV/SARS-CoV-2 Spike antibody,Chimeric MAb

Pack Size: 50 µL /100 µL

Host: Chimera

Isotype: IgG

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, carcino embryonic 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. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process.

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 Coronavirus spike

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 applications:

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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