

Cat No: 9115007

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

Pack Size: 50 µL /100 µL

Host: Rabbit

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): This product is a recombinant monoclonal antibody expressed from HEK293 cells. 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. 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 spike Antibody; Anti-cov spike Antibody; Anti-ncov s1 Antibody; Anti-ncov s2 Antibody; Anti-ncov spike Antibody; Anti-NCP-CoV s2 Antibody; Anti-NCP-CoV Spike Antibody; Anti-novel coronavirus RBD Antibody; Anti-novel coronavirus s1 Antibody; Anti-novel coronavirus s2 Antibody; Anti-novel coronavirus spike Antibody.

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