

Antibody Datasheet

Name: Human IgG1 Anti SARS-CoV-2 Spike (S1) Antibody (EB5)

Product Code: MAB12455-100 / MAB12455-500

Batch #:

Date of Manufacture:

Product Description: Recombinant humanised version of the mouse monoclonal antibody MAB12440. Antibody is specific for SARS-CoV-2 spike subunit 1 protein.

Clone Number: EB5.C9.E9.F5

Isotype: IgG1 Kappa

Amount: 0.1 mg / 0.5 mg

Concentration: mg/ml

Purity: >95%

Presentation: Liquid

Buffer: Phosphate Buffered Saline, pH 7.4, Filter Sterile

Stabilizer: No stabilizers added

Preservative: No preservatives added

Immunogen: SARS-CoV-2 Spike subunit 1 (S1), REC31806 (aa 1-674)

Purification: Protein A

Specificity: Antibody is specific for SARS-CoV-2 spike subunit 1. The original monoclonal antibody (MAB12440) binds to mutant spike proteins REC31899 (D614G, S477N), REC31900 (D614G, L84I, N439K), REC31901 (D614G, G485R), REC31902 (D614G, E484K) and REC31903 (D614G, V445I, H655Y, E583D), and N-terminal domain (NTD, REC31835). The original monoclonal antibody (MAB12440) shows no cross-reactivity in ELISA with SARS-CoV-2 RBD (Wuhan-Hu-1, UK, Brazilian, Indian, South African variants), SARS-CoV-2 spike subunit 2 (S2) or spike proteins from SARS-CoV, MERS-CoV, HCoV-NL63, HCoV-OC43, HCoV-229E and HCoV-HKU1.

Applications: ELISA, WB

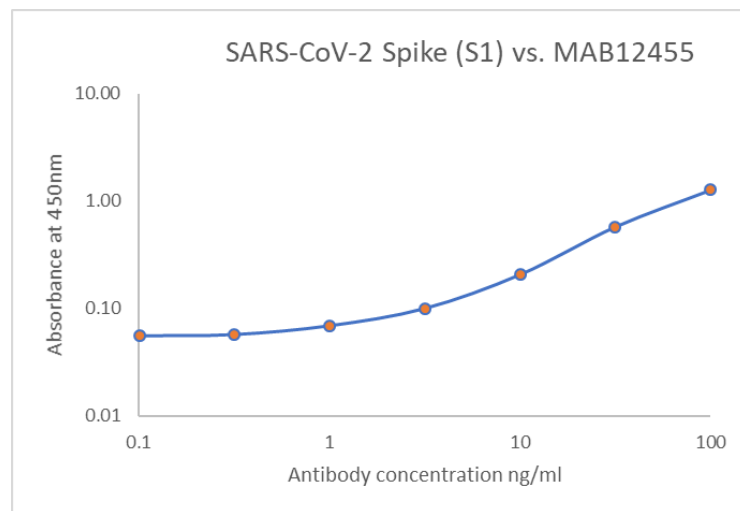
Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -20°C

Storage Guidelines: Avoid repeat freeze-thaw cycles

ELISA: Antibody is specific for SARS-CoV-2 spike S1 in antigen-down ELISA. Greiner High binding 96 well plate was coated with 100µl of SARS-CoV-2 spike glycoprotein subunit1 (REC31806, 1000ng/ml). Primary antibody dilutions were added at 100-0.1ng/ml (100µl). Secondary goat anti human IgG HRP antibody (100µl) was added at 1:5000 dilution. TMB substrate (M0701A) was added (100µl) until colour developed (5-15 min.) and then the reaction stopped with 200µl of 1M HCl. Plate was read at 405/450nm.



X

QC

X

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Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.

