

Antibody Datasheet

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

Product Code: MAB12440-100 / MAB12440-500

Batch #: 20092212

Date of Manufacture: 22-SEP-2020

Product Description: Purified Monoclonal Antibody

Clone Number: EB5.C9.E9.F5

Isotype: IgG1 Kappa

Amount: 0.1 mg / 0.5 mg

Concentration: 1.0 mg/ml

Presentation: Liquid

Buffer: Phosphate Buffered Saline, pH 7.4, Filter Sterile

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

Purification: Protein G

Specificity: SARS-CoV-2 Spike subunit 1 (S1). Antibody also 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). No cross-reactivity observed in ELISA with SARS-CoV-2 RBD, 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

Application Notes: Working dilution must be determined by the user. Suggested starting ranges are 0.01-0.1 µg/ml for ELISA.

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -20°C

Storage Guidelines: Avoid repeat freeze-thaw cycles



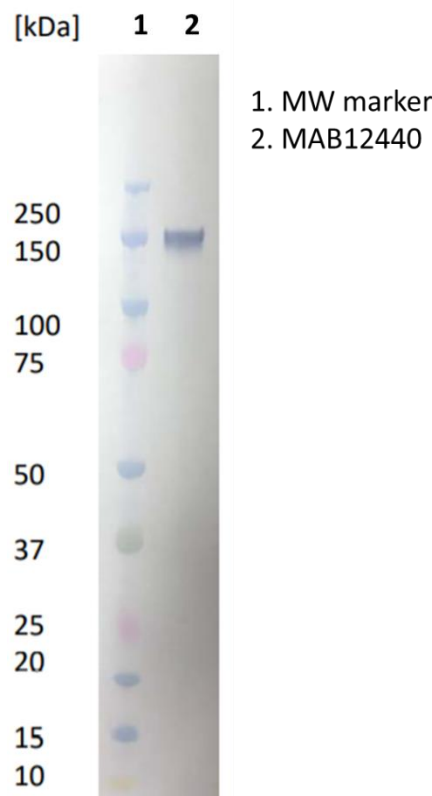
Antibody Datasheet

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

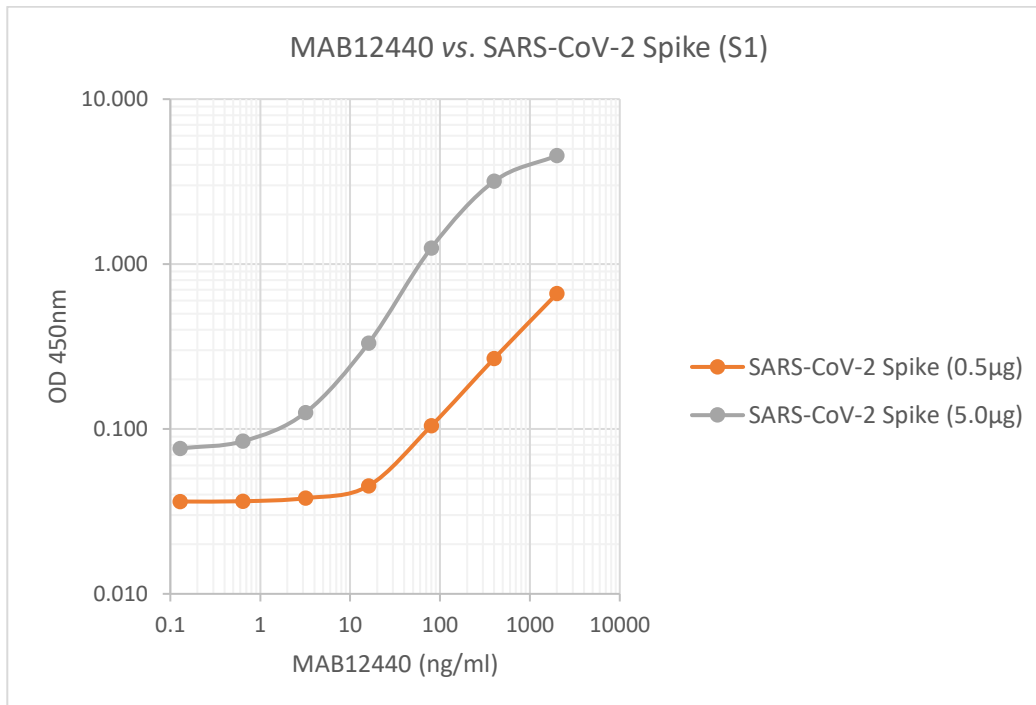
Product Code: MAB12440-100 / MAB12440-500

Batch #: 20092212

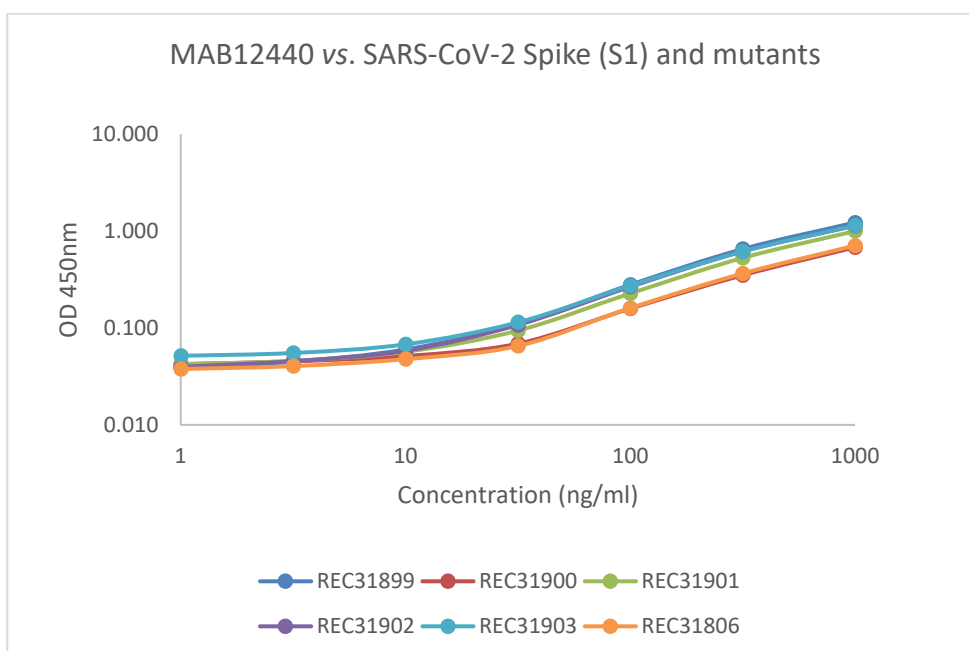
Western Blot: 10µl (0.02mg/ml) of SARS-CoV-2 spike S1 protein (REC31806) separated on a Novex 4-12% Bis-Tris gel, alongside a Kaleidoscope marker (BioRad). Primary antibody added at 1 mg/ml (1:1000) and Goat anti mouse secondary antibody (PAB21441HRP) added at 1mg/ml (1:2000).



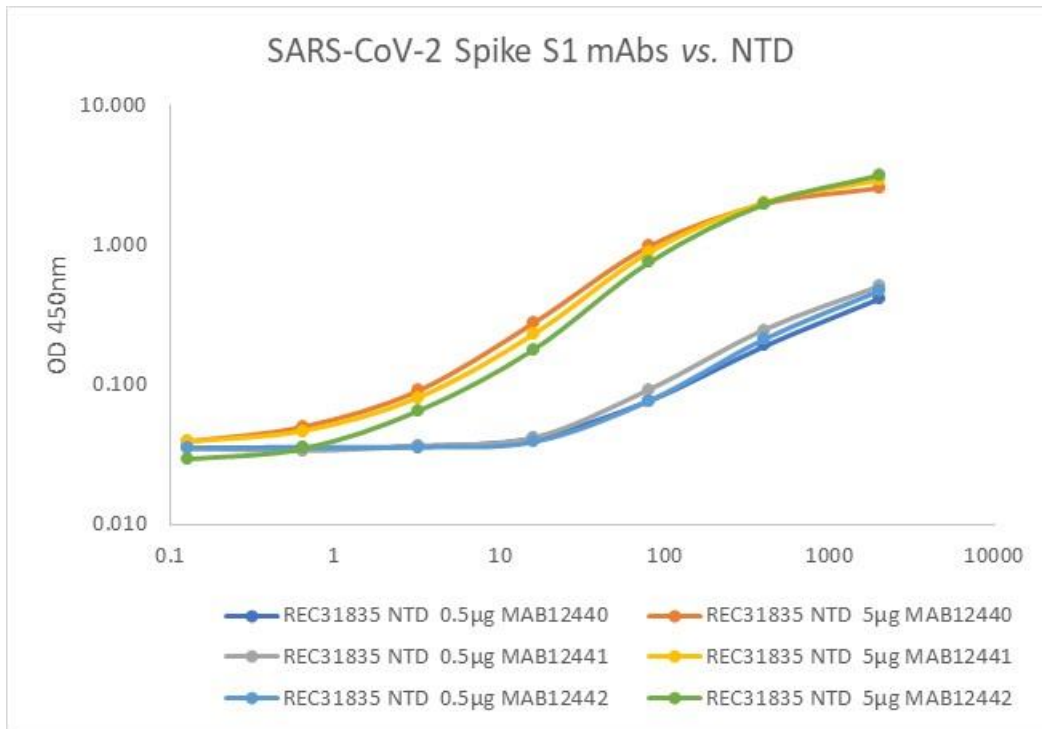
ELISA: Antigen-down ELISA showing binding of MAB12440 to immobilised SARS-CoV-2 spike subunit 1 (S1) protein ([REC31806](#)).



ELISA: Binding of antibody to SARS-CoV-2 spike subunit 1 (S1) protein (REC31806) and mutant S1 proteins.



ELISA: Binding of antibody to SARS-CoV-2 N-terminal domain (NTD).



X

QC

X

QA

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

