

Antibody Datasheet

Name: Human IgG1 Anti SARS-CoV-2 Spike (S1) RBD Antibody (DH6)

Product Code: MAB12459-100 / MAB12459-500

Batch #:

Date of Manufacture:

Product Description: Recombinant humanized version of the neutralizing mouse monoclonal antibody MAB12444. Antibody is specific for SARS-CoV-2 receptor binding domain (RBD). The original monoclonal antibody (MAB12444) is neutralizing against SARS-CoV-2, but not against SARS-CoV-1 or MERS-CoV.

Clone Number: DH6.G6.A12.C11

Isotype: IgG1 Kappa

Amount: 0.1 mg / 0.5 mg

Concentration: mg/ml

Presentation: Liquid

Buffer: Phosphate Buffered Saline, pH 7.4, Filter Sterile

Immunogen: SARS-CoV-2 Spike subunit 1 (S1), REC31882 (aa 1-223)

Specificity: SARS-CoV-2 receptor binding domain (RBD). The original monoclonal antibody (MAB12444) is specific for the spike receptor binding domain of SARS-CoV-2, recognizing RBD from Wuhan-Hu-1, UK (Alpha), South African (Beta) Brazilian (Gamma) and Indian Kerala variants. The original monoclonal antibody (MAB12444) shows no cross-reactivity in ELISA with SARS-CoV-2 subunit 2 (S2) or spike subunit 1 (S1) proteins from SARS-CoV, MERS-CoV, HCoV-NL63, HCoV-OC43, HCoV-229E and HCoV-HKU1.

Matched Pair: The original monoclonal antibody (MAB12444) is suitable for use as capture or detection antibody in ELISA assays. Capture antibody with MAB12446 as detection antibody. Detection antibody with MAB12422 or MAB12446 as capture antibody.

Applications: ELISA, NTRL

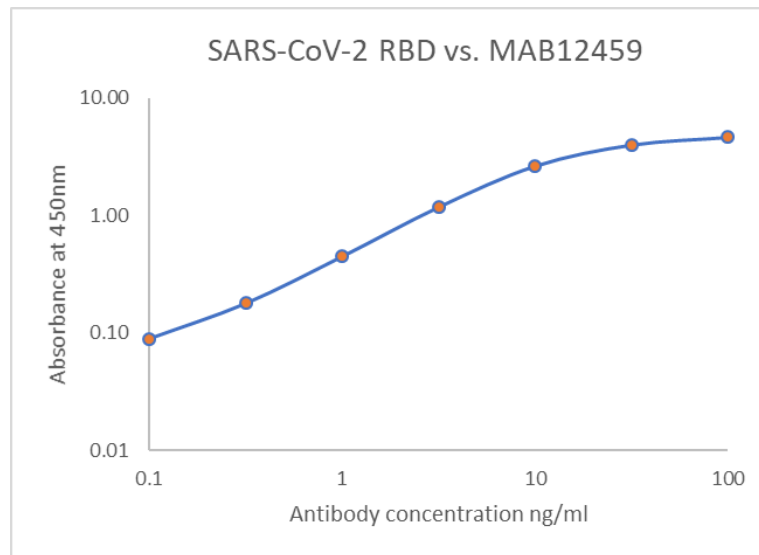
Usage Guidelines

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 receptor binding domain (RBD) in antigen-down ELISA. Greiner High binding 96 well plate was coated with 100µl of SARS-CoV-2 RBD (REC31882, 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.



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QC

X

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

