

Antibody Datasheet

Name: Mouse Anti SARS-CoV-2 Spike (S2) Antibody (AD10): Biotin Conjugate

Product Code: MAB12446-Biotin-100

Batch #:

Date of Manufacture:

Product Description: Purified monoclonal antibody, conjugated to biotin.

Clone Number: AD10.F6.G3.E3

Isotype: IgG1 Kappa

Amount: 0.1 mg

Concentration: mg/ml

Presentation: Liquid

Buffer: DPBS plus 0.025M Tris, 1% BSA

Preservative: 0.1% Proclin 950

Immunogen: SARS-CoV-2 Spike subunit 2 (S2), REC31807 (aa 685-1211)

Purification: Protein G

Specificity: SARS-CoV-2 Spike subunit 2 (S2). No cross-reactivity observed in antigen-down ELISA with spike proteins from 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 0.01-1 µg/ml for ELISA.

Matched Pair: Suitable for use as a capture antibody in ELISA assays with MAB12422, MAB12441, MAB12443 or MAB12444 as the detection antibody (see data below).

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -20°C

Storage Guidelines: Avoid repeat freeze-thaw cycles

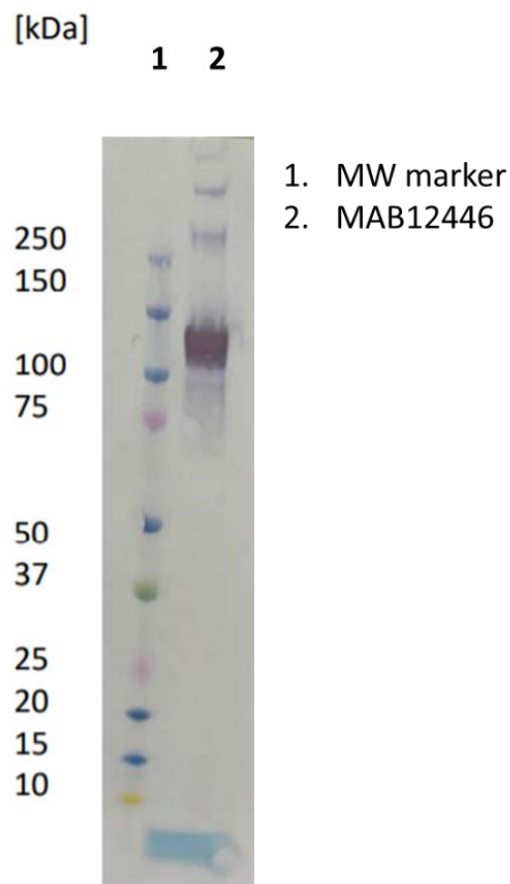


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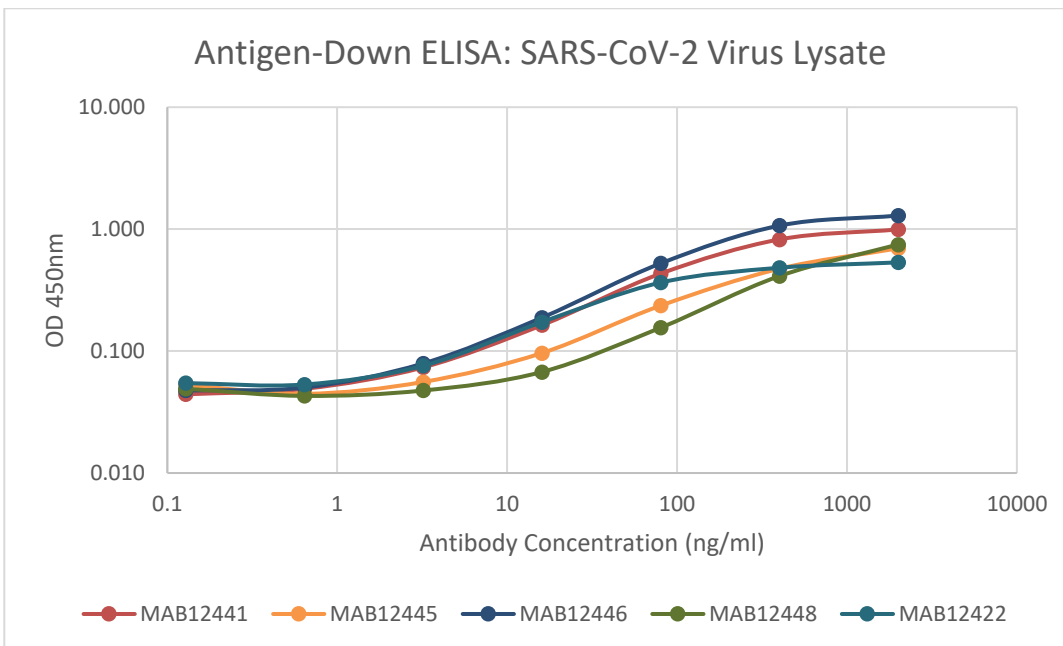
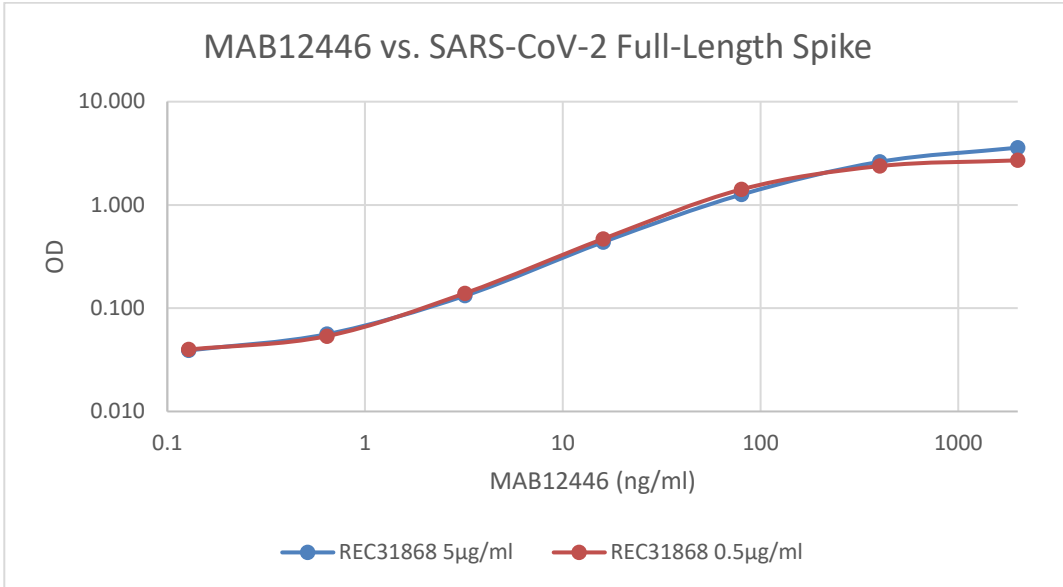
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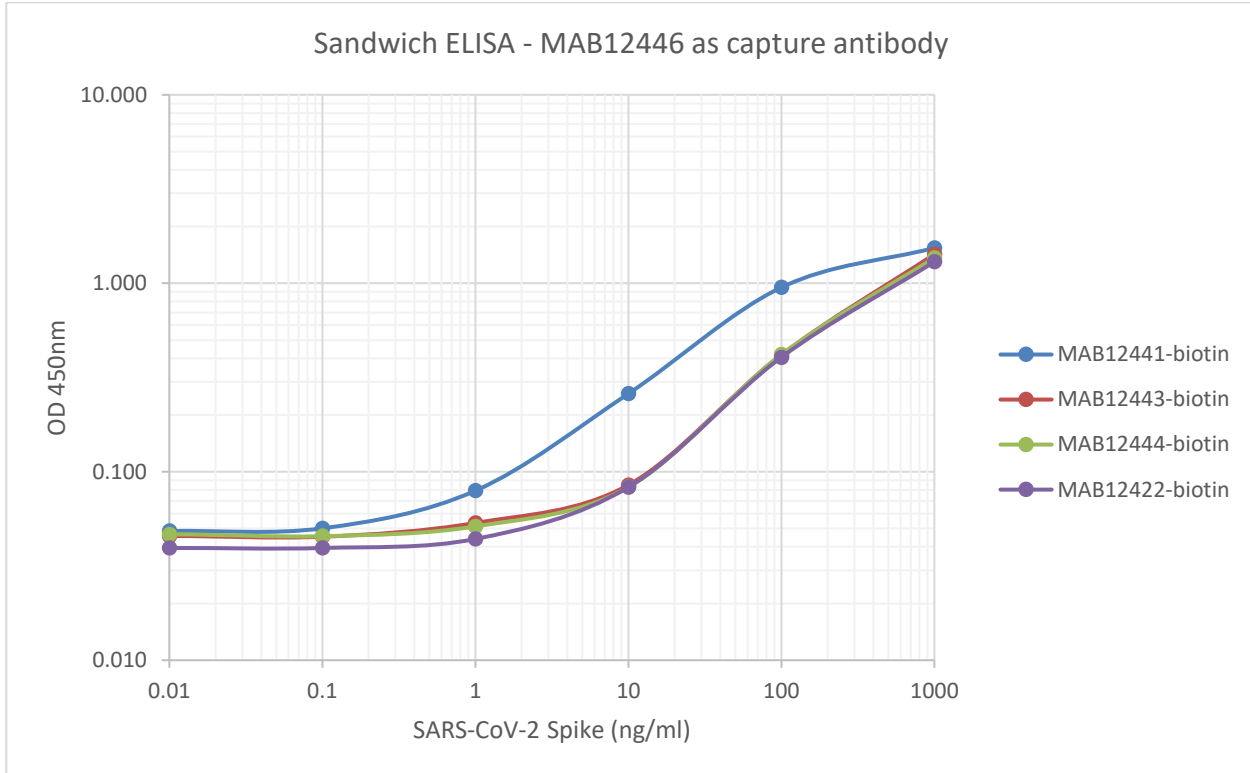
Western Blot: 10µl (0.02mg/ml) of SARS-CoV-2 spike S1 protein (REC31807) separated on a Novex 4-12% Bis-Tris gel, alongside a Kaleidoscope marker (BioRad). Unconjugated primary antibody added at 1 mg/ml (1:1000) and Goat anti mouse secondary antibody (PAB21441HRP) added at 1mg/ml (1:2000).



Antigen-down ELISA: ELISA showing binding of MAB12446 to immobilised SARS-CoV-2 full-length spike protein (REC31868) and SARS-CoV-2 virus lysate ([NAT41605](#)).



Sandwich ELISA: SARS-CoV-2 full-length Spike (REC31868) was the capture analyte. Plates were coated with 5µg/ml of capture antibodies. Spike protein was added at varying concentrations from 1µg/ml to 0.001ng/ml. Plates were incubated with biotin-labelled detection antibodies at 1µg/ml.



X

QC

X

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

