

Antibody Datasheet

Name: Mouse Anti SARS-CoV-2 Spike (S2) Antibody (0018)

Product Code: MAB12421-50

Clone Number: 0018

Isotype: IgG1

Batch #:

Amount: 50µg

Concentration: 1.0 mg/ml

Presentation: Lyophilised

Buffer: Reconstitute with 50µl sterile DI H₂O.

Immunogen: Purified recombinant fragment of glycoprotein precursor expressed in E. coli.

Purification: Protein A or G purified from the hybridoma culture supernatant.

Specificity: SARS-CoV-2 Glycoprotein Spike S2

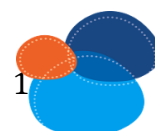
Applications: ELISA, WB (see image below)

Usage guidelines

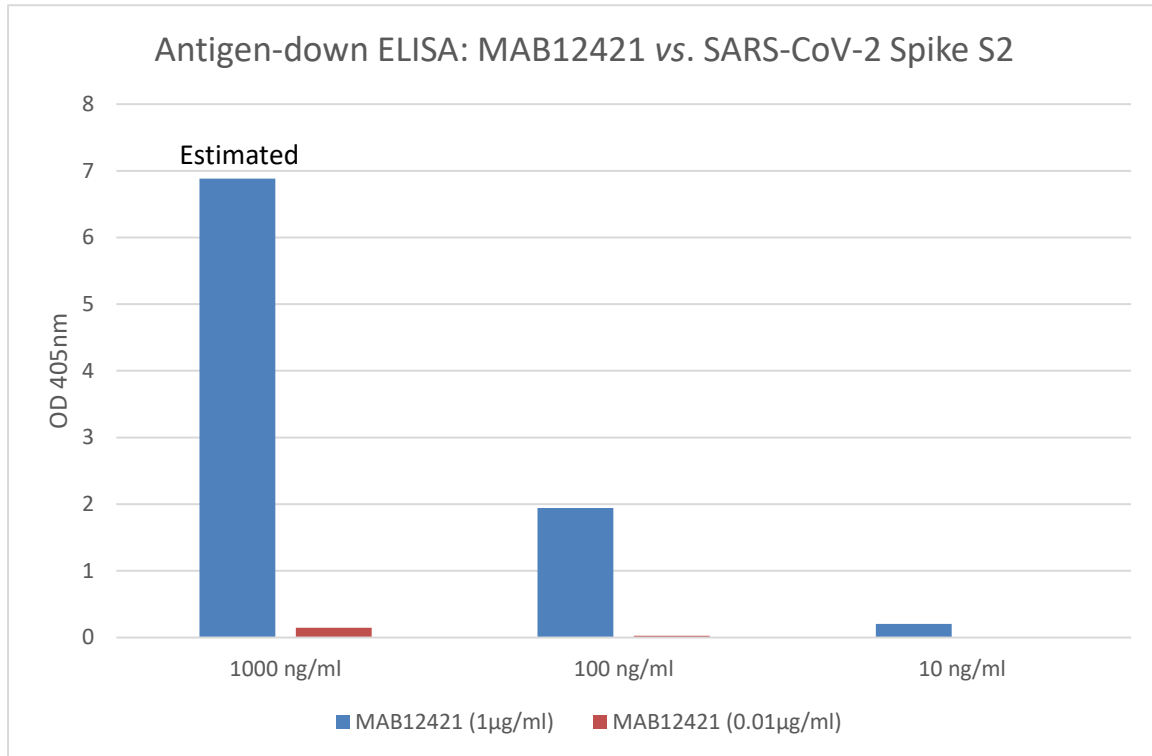
Storage: 4°C

General: Store at 4°C short term. Aliquot and store at -20°C long term. The antibody is shipped at ambient temperature.

For Research Use Only



ELISA



Protocol:

- Antigen (REC31807) was diluted over the range 1000ng/ml to 0.001ng/ml in GIBCO D-PBS and 100µl volumes added to wells in Greiner high binding strip well plate. Zero wells = D-PBS only.
- The wells were coated overnight in the fridge. Following morning plate washed 2 X 300µl 1% BSA in D-PBS and allowed to soak/block 1hr 20min ambient.
- Plate washed 1 X 300µl in D-PBS + 0.1% Tween 20, emptied and used. Antibody (MAB12421) diluted in D-PBS + 1% BSA + 0.05% tween 20, diluted to 1µg/ml and 0.01µg/ml and added at 100µl/well. Zero wells = diluent only. Plate incubated shaken 800rpm 2 hours 20min.
- Plate washed 3 X 300µl in D-PBS + 0.1% Tween 20, emptied and used. Goat anti-Mouse Ig- HRP (Southern Biotech, cat# 1010-005 lot H0416-ZF86C) diluted 5µl in 11ml D-PBS + 1% BSA + 0.05% Tween 20, added 100µl/well, incubated shaken 1 hour.
- Plate washed 6 X 300µl in D-PBS + 0.1% Tween 20, emptied and used.
- TMB (Europa MO701A) added at 100µl/well and incubated 15 min shaken. Plate stopped 100µl/well 1M HCl and read OD at 450nm. A second reading was taken at 405nm to allow estimation of the OD values for wells that were out of range at 450nm.