

## Antibody Datasheet

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

**Product Code:** MAB12446-100 / MAB12446-500

**Batch #:** 20092316

**Product Description:** Purified Monoclonal Antibody

**Clone Number:** AD10.F6.G3.E3

**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 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

**Application Notes:** Working dilution must be determined by the user. Suggested starting ranges are 0.01-0.1 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

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



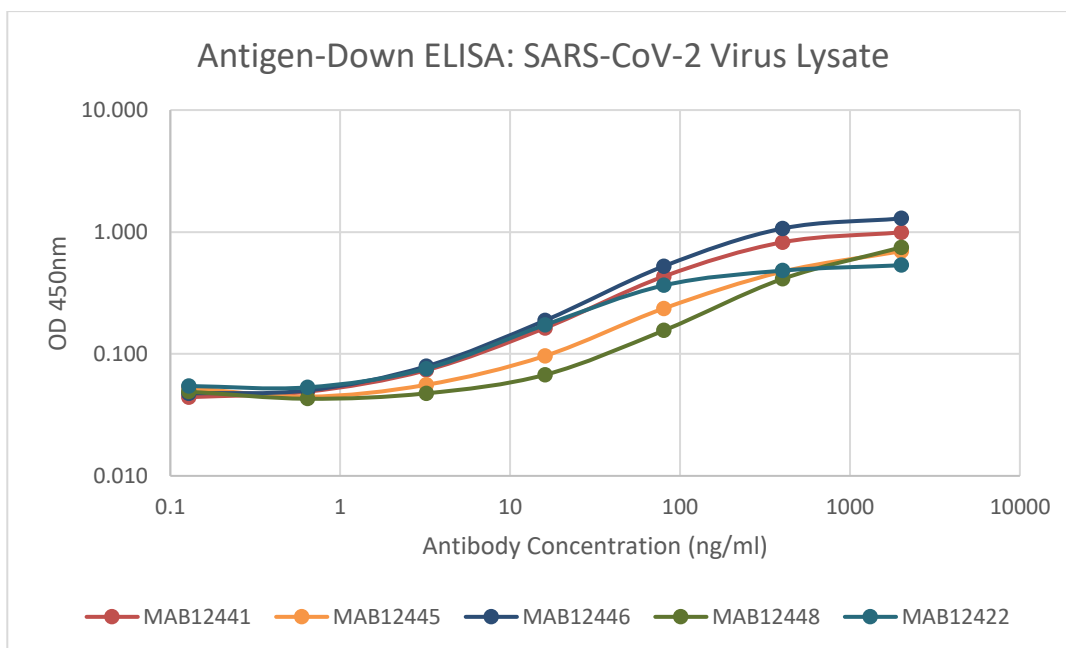
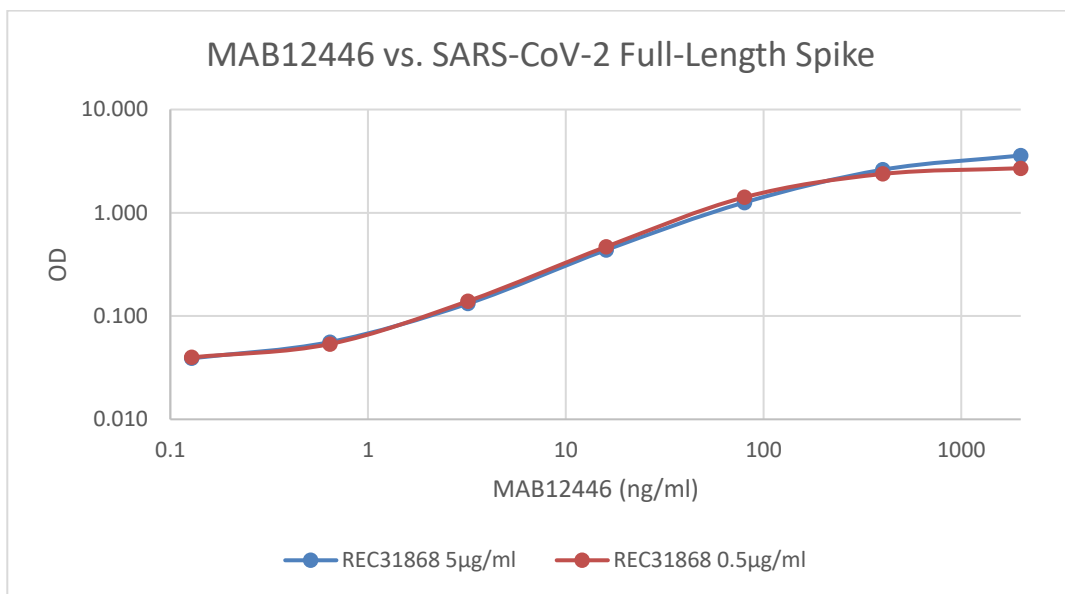
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**Antigen-down ELISA:** ELISA showing binding of MAB12446 to immobilised SARS-CoV-2 full-length spike protein (REC31868) and SARS-CoV-2 virus lysate ([NAT41605](#)).



**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.

