

## Antibody Datasheet

**Name:** Mouse Anti SARS-CoV-2 Nucleoprotein Antibody (GC12)

**Product Code:** MAB12465-100 / MAB12465-500

**Batch #:**

**Date of Manufacture:**

**Product Description:** Mouse monoclonal antibody against SARS-CoV-2 nucleoprotein.

**Clone Number:** GC12.H5.B10

**Isotype:** IgG

**Amount:** 0.1 mg / 0.5 mg

**Concentration:** 1.0 mg/ml

**Presentation:** Liquid

**Buffer:** Phosphate Buffered Saline, pH 7.4, Filter Sterile

**Immunogen:** Recombinant SARS-CoV-2 Nucleoprotein, REC31851

**Purification:** Protein G

**Specificity:** SARS-CoV-2 nucleoprotein.

**Cross-Reactivity:** Antibody shows some cross-reactivity with SARS-CoV nucleoprotein. Antibody does not cross-react with HCoV-229E, HCoV-HKU1, HCoV-NL63 and HCoV-OC43 in antigen-down ELISA (0.5µg). Cross-reactivity profiles were determined using these specific conditions, and may vary with other experimental set-ups or in different applications (see data below).

**Applications:** ELISA

**Matched Pair:** Antibody can be used as a detection antibody in sandwich ELISA, with SARS-CoV-2 nucleoprotein [REC31851](#) and [MAB12468](#) as a capture antibody (see data below).

**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 multiple freeze-thaw cycles



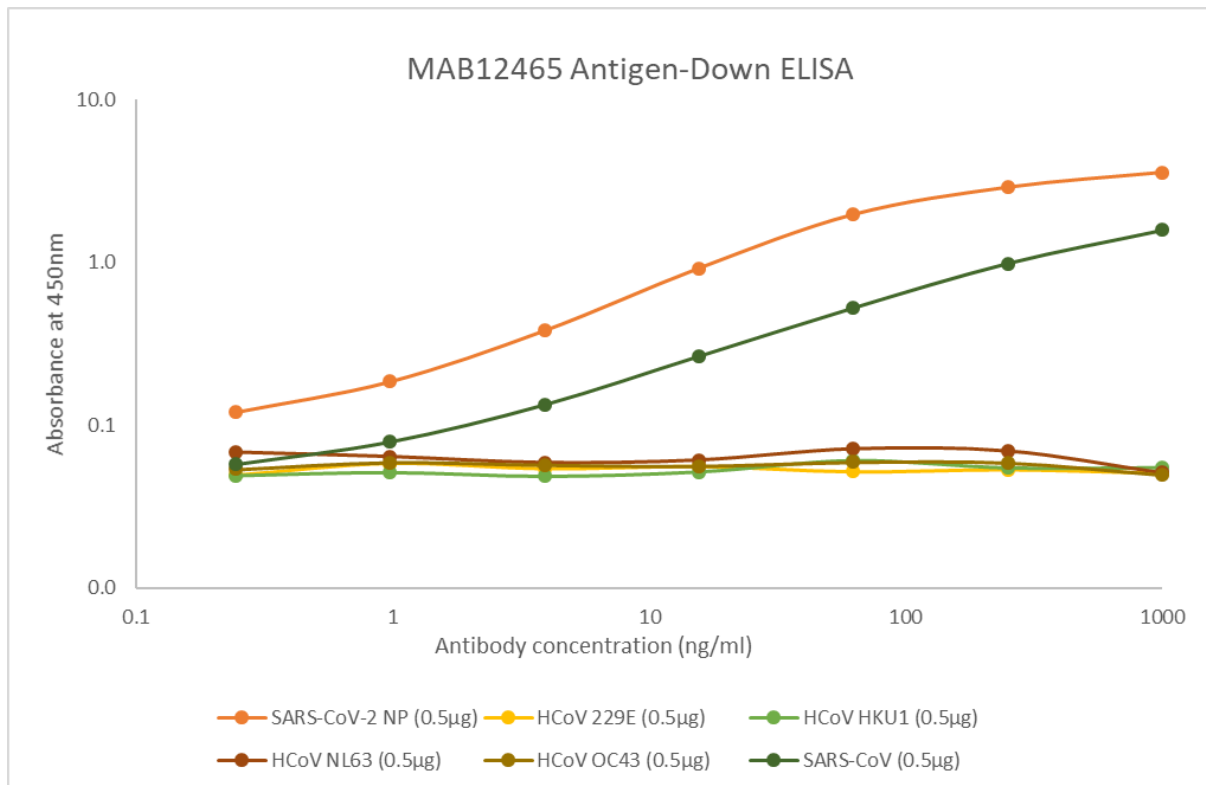
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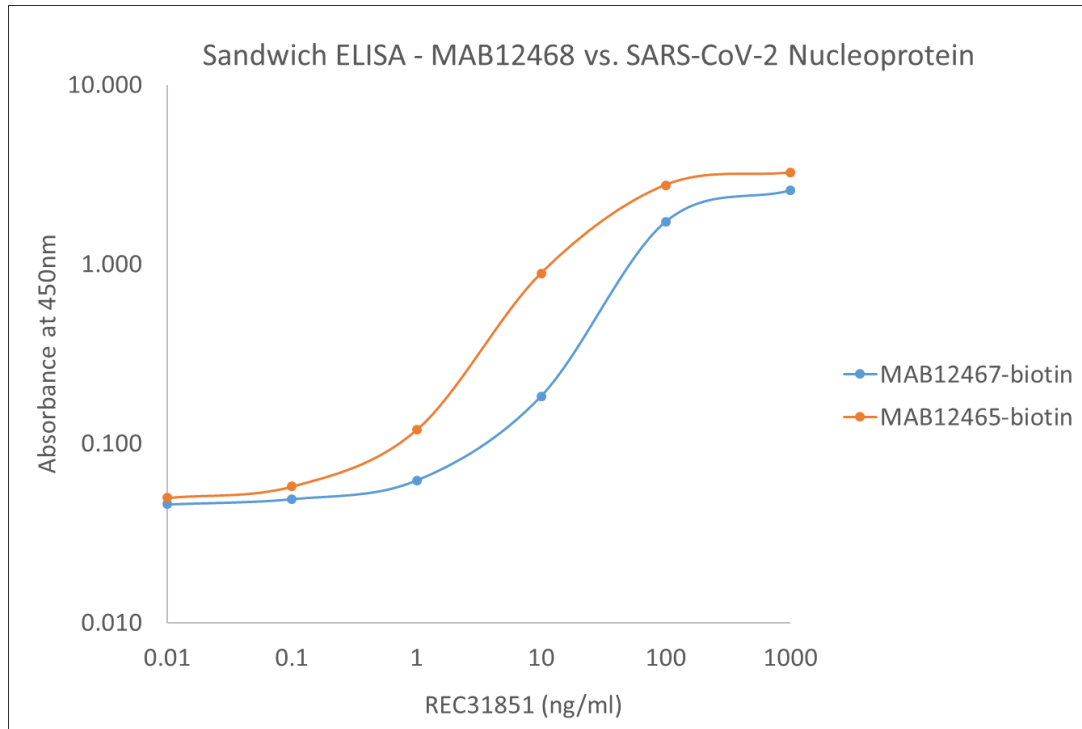
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**ELISA:** Antigen-down ELISA with SARS-CoV-2 (REC31851), HCoV-229E (REC31758), HCoV-HKU1 (REC31856), HCoV-NL63 (REC31759), HCoV-OC43 (REC21857) and SARS-CoV (REC31744) nucleoprotein coated at 0.5µg.



**Sandwich ELISA:** Plate coated with 5µg/ml of MAB12468, 100µl/well. Antigen (REC31851) dilutions prepared from 1000ng/ml to 0.01ng/ml and 100µl added per well. Diluted biotin labelled detection antibodies (0.8µg/ml), MAB12465 and MAB12467 added (100µl per well). Detection using Poly strep HRP (100µl/well of 1:40,000 dilution) and 100µl/well of TMB (M0701A), 15 min. at RT. Reaction stopped with 100µl/well of 1M HCl and plate read at 405 and 450nm.



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

