

Antibody Datasheet

Name: Mouse Anti-SARS Coronavirus Nucleoprotein Antibody (3861): Horseradish Peroxidase

Product Code: MAB12183-HRP-100 / MAB12183-HRP-500

Batch #:

Date of Manufacture:

Product Description: Mouse monoclonal antibody specific for SARS Coronavirus nucleoprotein (3861), conjugated to Horseradish Peroxidase (HRP)

Clone Number: 3861

Isotype: IgG1

Amount: 0.1 mg / 0.5 mg

Concentration: mg/ml

Purity: >90%

Presentation: Liquid

Buffer: DPBS + 1% BSA

Preservative: 0.1% Proclin 950

Immunogen: Recombinant fragment aa1-49 of the SARS nucleoprotein.

Purification: The antibody was purified by affinity chromatography on protein A

Specificity: This antibody is specific for the nucleocapsid protein of Severe Acute Respiratory Syndrome (SARS) Coronavirus. The antibody does not react with human Coronavirus 229E and OC43, feline FIP-1, FIP-2, canine Coronavirus TGEV or mouse Hepatitis virus.

Applications: ELISA, WB

Matched Pair: Antibody is suitable for use as a matched pair with MAB12184 in ELISA assays.

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -20°C

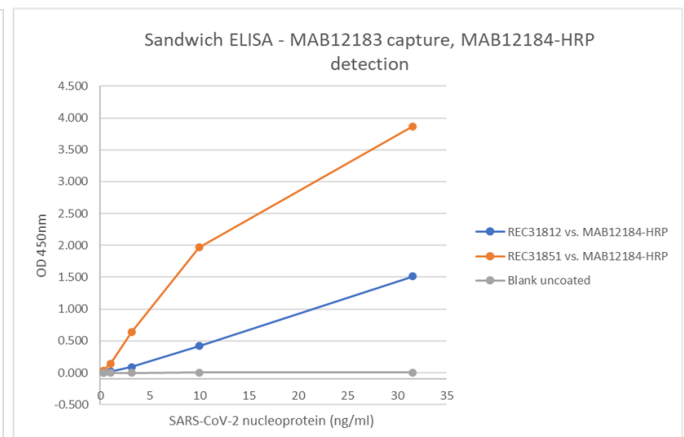
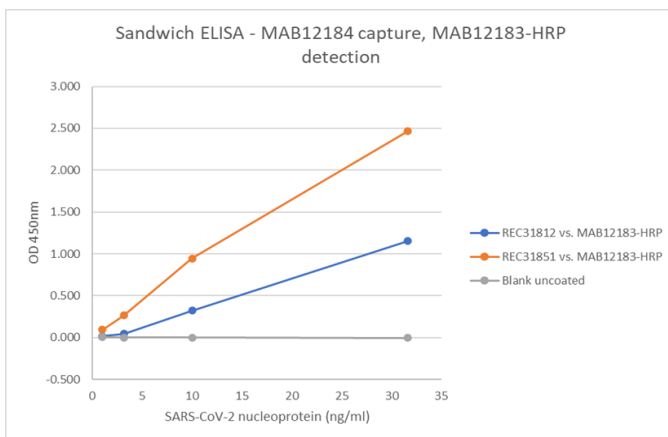


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Sandwich ELISA: MAB12183 and MAB12184 vs. two different recombinant SARS-CoV-2 (COVID-19) nucleoproteins.



Greiner 762071 high binding plates were coated overnight at room temperature with antibody at 10µg/ml, 100µl/well in GIBCO DPBS. Plates then washed 2 X 300µl/well with 1% BSA (Sigma A7906) in DPBS, second wash left in the wells 1-2 h. Plates washed 1 X 300µl/well DPBS with 0.1% Tween 20 (Sigma P1379) drained inverted on tissue and used. Dilutions of analyte prepared in DPBS/1% BSA/0.1% Tween 20. Added to wells at 100µl/well and incubated 2.5 h at ambient on a plate shaker. Plates washed 3 X 300µl DPBS 0.1% Tween 20. Antibody-HRP diluted in DPBS/1% BSA/0.1% Tween 20 to 1µg/ml. Added to wells at 100µl/well and incubated 2.5 h at ambient on a plate shaker. Plates washed 6 X 300µl DPBS 0.1% Tween 20. TMB substrate (Europa MO701A) added at 100µl/well, incubated without shaking 15 min at ambient. Reaction stopped using 1M HCl, read within 15 min at 450nm and 405nm (405 used to estimate wells >3.9 OD units).

X

QC

X

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