
Mouse Anti-SARS CoV-2 Nucleocapsid Protein (N08) Recombinant Antibody

No. :KF-ab0072

Expression Host: Nicotiana benthamiana plants

Clonality: Monoclonal, recombinant

Species and Isotype: Mouse IgG2a

Description: Recombinant mouse monoclonal antibody against SARS-CoV-2 Nucleocapsid protein, produced via Agrobacterium tumefaciens infiltration of Nicotiana benthamiana plants.

Verified Applications: Western blot, ELISA

Dilution Range: Western blot (1: 1 000 - 1: 5 000) ELISA (1: 2 000 - 1: 5 000)

Tested Species Reactivity : Human

Concentration : 1 mg/ml

Form : Liquid

Storage: Short-term (up to one week): 2 - 8 ° C
Long term: Aliquot and store at - 20 ° C
Store immediately. Aliquot and avoid multiple freeze-thaw cycles.

Storage Buffer: 0.1 M Phosphate Buffered Saline, pH 7.4.Preservative: none

Purification Notes: This product was purified using Protein A- affinity chromatography.

Purity: \geq 95 % as determined by SDS-PAGE.

General Notes: For Research Use only, unless otherwise indicated.

Image:

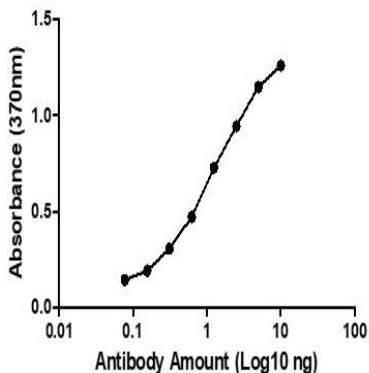


Figure 1. ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of Mouse Anti-SARS-CoV-2 N (N08) detecting 0.1 ng/μl SARS-CoV-2 Nucleocapsid Phosphoprotein.

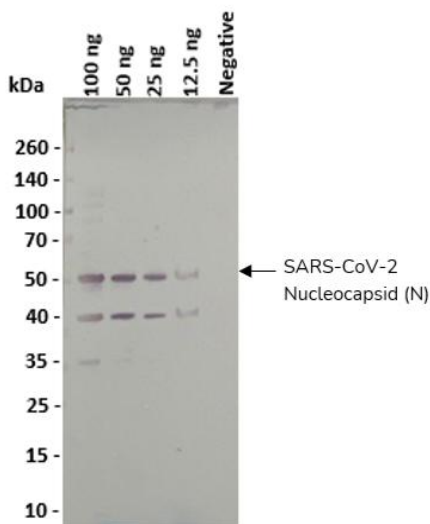


Figure 2. Western blot analysis of Mouse Anti-SARS-CoV-2 N (N08). Lanes 2 – 4: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and Mouse Anti-N (N08) (1: 5 000) was used to detect the antigen. The SARS-CoV-2 N Phosphoprotein bands (~46 kDa) were visualized in each lane following the addition of anti-mouse secondary antibody with HRP and substrate. Post-translation cleavage of the N protein is seen at ~40 kDa and ~35 kDa. Our antibody was able to detect antigen amounts upwards of 12.5 ng (Lane 4).