Human Anti-SARS CoV-2 Nucleocapsid Protein (HuN4) Recombinant Antibody

No.:KF-ab0071

Expression Host: Nicotiana benthamiana plants

Clonality: Monoclonal, recombinant

Species and Isotype: Human IgG1

Description: Recombinant human 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: 500 - 1: 2 000) ELISA (1: 1 000 - 1: 4 000)

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: ≥ 95 % as determined by SDS-PAGE.

99.30% as determined by Mass Spectrometry.

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

Image:

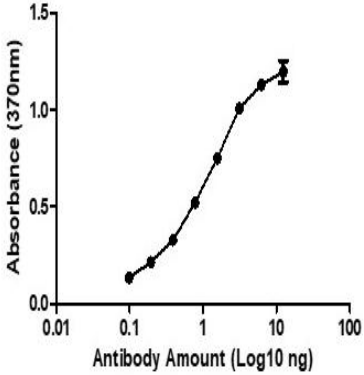

Figure 1. ELISA Dose Response curve showing increasing absorbance at 370 nm with increasing amounts of Human Anti-SARS-CoV-2 N (HuN4) Antibody, used to detect 1 ng/µl of SARS-CoV-2 Nucleocapsid Phosphoprotein.

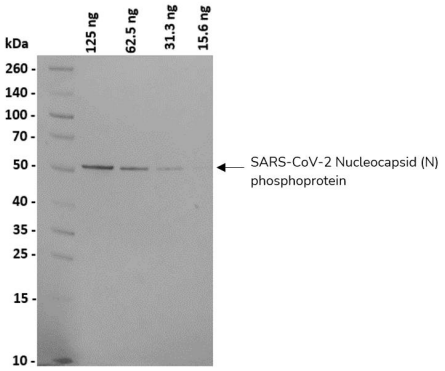

Figure 2. Western blot analysis of Human Anti-SARS-CoV-2 N (HuN4). Lanes 2 – 5: Varying amounts of SARS-CoV-2 Nucleocapsid (N) Phosphoprotein were run on the SDS-PAGE. Separated bands were transferred to the membrane and Human Anti-N (HuN4) (1: 1 000) was used to detect the antigen. The SARS-CoV-2 N Phosphoprotein bands (~46 kDa) were visualized in each lane following the addition of anti-human secondary antibody with HRP and substrate. Our antibody was able to detect antigen amounts upwards of 15.6 ng (Lane 5).