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

No.:KF-ab0068

Expression Host: Nicotiana benthamiana plants

Clonality: Monoclonal, recombinant

Species and Isotype: Human IgG1

Description: Recombinant human monoclonal antibody against SARS-CoV-2 Nucleocapsid protein, fused at the genetic level to HRP. This protein was 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: 1000 - 1: 1 000 000)

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: 50% Glycerol

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

Purity: ≥ 95 % as determined by SDS-PAGE.
98.66 % as determined by Mass Spectrometry.

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

Image:

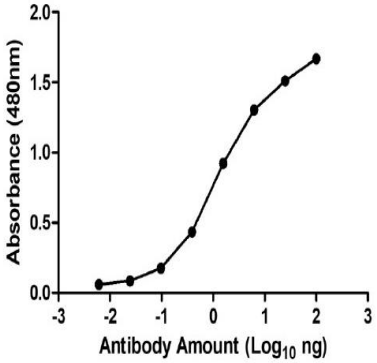

Figure 1: ELISA Dose Response curve using Human Anti-N (HuN4) (HRP) Antibody from 0,00006 – 1.0 ng/uL to detect 50 ng recombinant SARS-CoV-2 Nucleocapsid protein. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

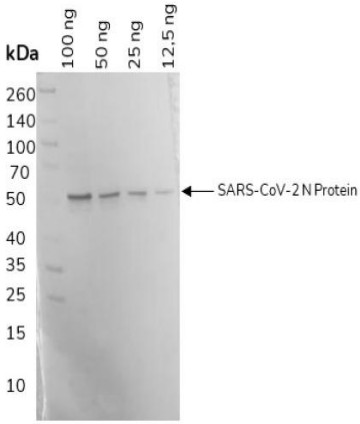

Figure 2: Western blot analysis of decreasing amounts of SARS-CoV-2 Nucleocapsid phosphoprotein (~46 kDa) detected with Human Anti-N (HuN4) (HRP) at 1: 1 000. No secondary antibody is required.