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**Human Anti-SARS CoV-2 Nucleocapsid Protein (HuN5) (HRP) Recombinant  
Antibody**

**No. :KF-ab0070**

- 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: 1000 - 1: 2 000) ELISA (1: 1 000 - 1: 64 000)
- 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:**  $\geq$  90 % as determined by SDS-PAGE.  
98.71 % as determined by Mass Spectrometry.

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

**Image:**

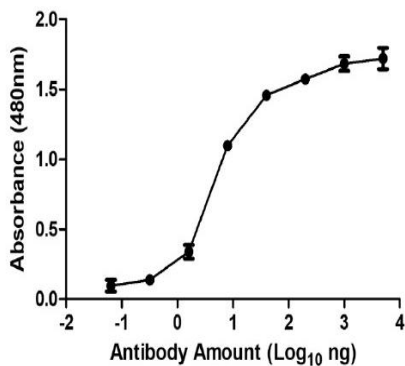


Figure 1: ELISA Dose Response curve using Human Anti-N (HuN5) (HRP) Antibody from 0,00064 – 50 ng/uL to detect 50 ng SARS-CoV-2 Nucleocapsid protein. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

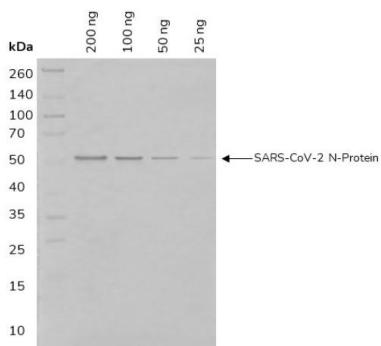


Figure 2: Western blot analysis of decreasing amounts of SARS-CoV-2 N Protein (46 kDa) detected with Human Anti-N (HuN5) (HRP) Antibody at 1: 1 000.