

Certificate of Analysis

Name: SARS-CoV-2 Nucleoprotein, His-Tag (E. coli): Biotin Conjugate

Product Code: REC31851-Biotin-100

Batch #: 20072813

Description: Recombinant SARS-CoV-2 full-length nucleoprotein, expressed and purified from E. coli with a 6xHis-tag. Protein is biotinylated.

Expression System: E. coli

Accession: MN908947

Sequence Strain: Wuhan-Hu-1

Amino Acids: 1-419

Tag: 6xHis-tag, C-Terminus

Expected MW (Unconjugated): 47 kDa

Observed MW (Unconjugated): 47 kDa

Amount: 0.1 mg

Concentration: 0.272 mg/ml

Purity: >95%

Presentation: Liquid

Buffer: 50mM Tris, 150mM NaCl, 1% BSA, 0.1% Proclin 950, 0.005% ANS, 0.005% CaCl

Usage Guidelines

Short Term Storage: -80°C

Long Term Storage: -80°C

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

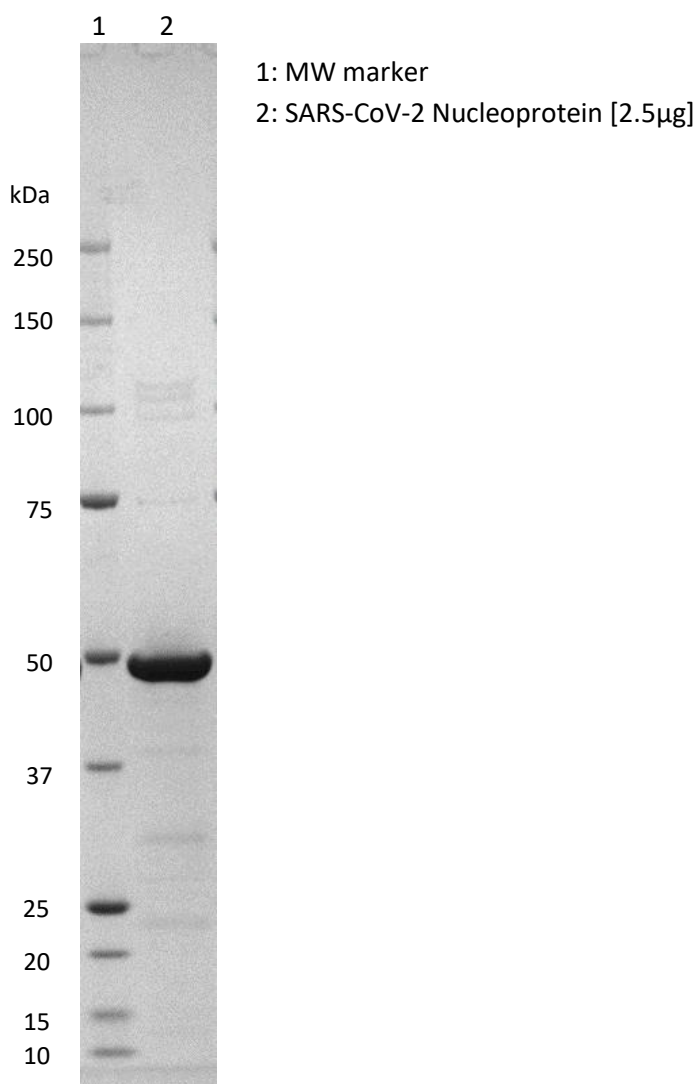
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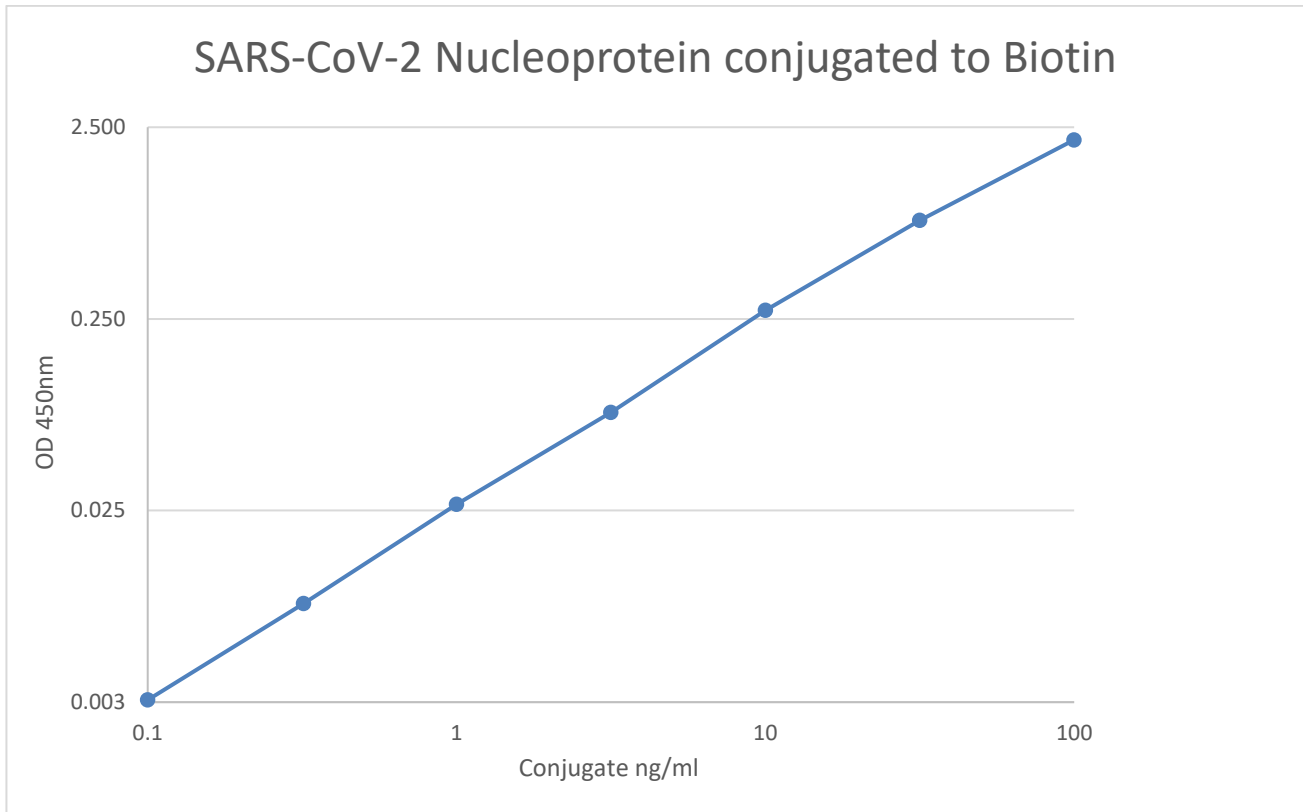
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SDS-PAGE: SARS-CoV-2 Nucleoprotein (unconjugated)



ELISA: SARS-CoV-2 Nucleoprotein conjugated to Biotin



Plates coated overnight with mouse anti-nucleoprotein MAB12183, 5µg/ml in DPBS on bench. Washed 2 X 300µl/well in 1% BSA (Sigma A7906) in DPBS, incubated with second wash for 1 h. Washed plate 1 X 300µl in PBS + 0.1% Tween 20. Conjugate (REC31851-Biotin) diluted in DPBS + 1% BSA + 0.1% Tween 20, added at 100µl/well. Incubated 2 h shaken at ambient temperature. Washed plate 3 X 300µl in PBS + 0.1% Tween 20. Streptavidin poly-HRP (Thermo #21140) diluted 1 in 40,000 in DPBS + 1% BSA + 0.1% Tween 20, added at 100µl/well. Incubated 30min shaken at ambient temperature. Washed plate 6 X 300µl in PBS + 0.1% Tween 20. Added TMB 100µl/well and incubated static for 15min. Stopped reaction with 100-200µl 1M HCl. Read plates at 450nm.