

SARS-CoV-2 (2019-nCoV) Nucleocapsid, His Tag

Catalog No: #AP89590

Package Size: #AP89590-1 10ug #AP89590-2 100ug

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Description

Product Name	SARS-CoV-2 (2019-nCoV) Nucleocapsid, His Tag
Host Species	E.coli
Purification	The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.
Species Reactivity	Human
Immunogen Description	Nucleocapsid protein(Met1-Ala419)
Other Names	Nucleocapsid protein,NP,Protein N
Calculated MW	49.4 kDa
Tag Info	N-His tag
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 70 % trehalose is added as protectants before lyophilization.
Storage	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

Images

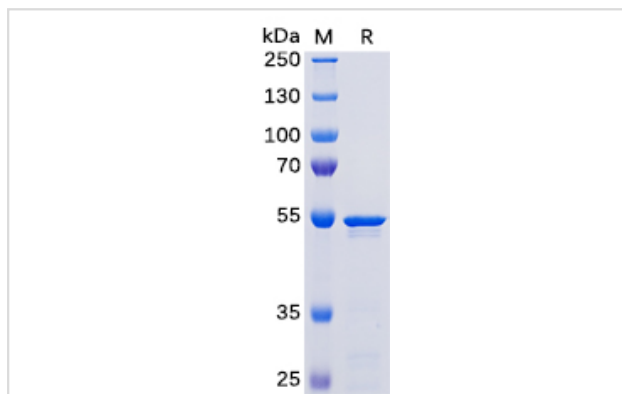


Figure 1. SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein, His Tag on SDS-PAGE under reducing condition.

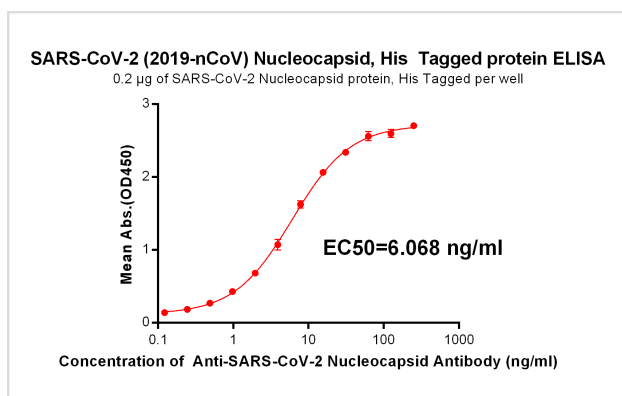


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) SARS-CoV-2 (2019-nCoV) Nucleocapsid, His Tag protein can bind Anti-SARS-CoV-2 Nucleocapsid Antibody in a linear range of 0.122-15.625 ng/ml.

6 × His tag

Nucleocapsid protein(Met1-Ala419)

Product Description

Expression Region:490Research Topic:Coronavirus contain most of nucleocapsid protein. Coronavirus nucleoproteins (N proteins) localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The nucleolus is the site of ribosome biogenesis and sequesters cell cycle regulatory complexes. Two of the major components of the nucleolus are fibrillarin and nucleolin. These proteins are involved in nucleolar assembly and ribosome biogenesis and act as chaperones for the import of proteins into the nucleolus. Regarding of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is a tool for diagnostic.

Note: This product is for in vitro research use only