

SARS-CoV-2 Nucleocapsid Protein, His-SUMO Tag, HEK293

Catalog Number LDG006PVM

Package 5 µg / 20 µg / 100 µg / Customized package

 Publications (2)

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

SARS-CoV-2

Expression System

HEK293 cell

Affinity Tag

His-SUMO Tag (N-term)

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 57.17 kDa. The protein migrates as 63-75 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized


Background

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Background

Coronaviruses (Delta B1.617.2 Variant) are enveloped positive-sense RNA viruses. Spike protein on the viral envelope and the cognate receptor on the surface of host cells that are essential for entry into host cells upon receptor binding and membrane fusion. Spike proteins are target for neutralization antibody, and mediate membrane fusion and virus entry. Trimeric spike protein is about 180 kDa, and contains two subunits, S1 and S2, mediating attachment and membrane fusion.

Uniprot ID

#P0DTC9

Synonyms

Nucleoprotein, N, Nucleocapsid protein, NC Protein N

Sequence Note

Met1-Ala419

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

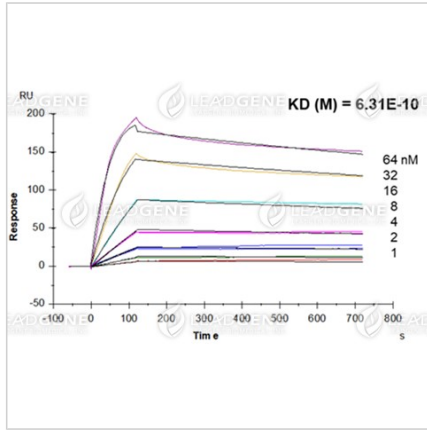
Tainan Headquarter

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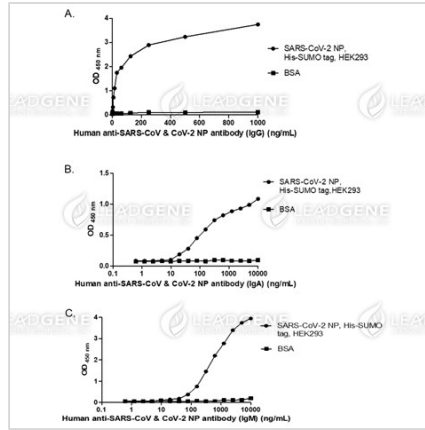
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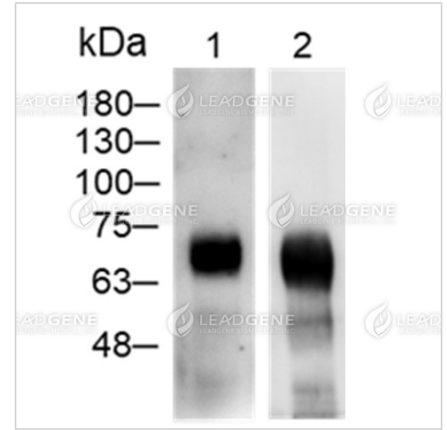
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Multi-cycle kinetic analysis of Human anti-SARS-CoV & CoV-2 NP Antibody (IgG) to Human SARS-CoV-2 Nucleocapsid protein by using Biacore T200.

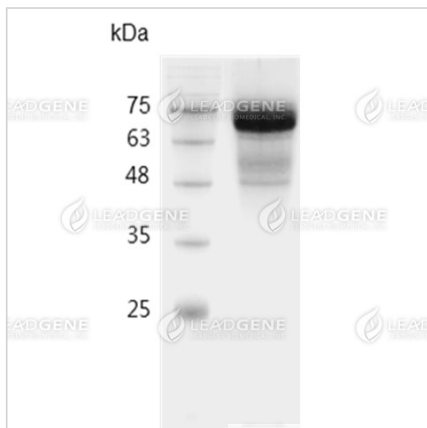


ELISA titration of Human anti-SARS-CoV & CoV-2 NP Antibody (A. IgG; B. IgA; C. IgM antibody).



WB analysis of recombinant Human SARS-CoV-2 nucleocapsid protein.

Lane 1: Human anti-SARS-CoV & CoV-2 NP Antibody (IgG), 0.5 µg/mL (Leadgene cat. 17901)
Lane 2: Human anti-SARS-CoV & CoV-2 NP Antibody (IgM), 0.5 µg/mL (Leadgene cat. 18301)



SDS-PAGE analysis of recombinant Human SARS-CoV-2 nucleocapsid protein.

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