

Active Recombinant COVID-19 Spike NTD protein(BA.2/Omicron), His-Avi-tagged, Biotinylated

Cat. No. Spike-745V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant COVID-19 Spike NTD protein(BA.2/Omicron)(Ser 13 - Leu 303)(Accession # QHD43416.1(T19I, LPP24-26del, A27S, G142D, V213G)), fused with His and Avi tag at the C-terminus, was expressed in HEK293.
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Ser 13 - Leu 303
Form	Lyophilized from 0.22 µm filtered solution in PBS. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated SARS-CoV-2 Spike NTD, His,Avi tag (BA.2/Omicron) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Anti-SARS-CoV-2 Spike NTD Antibody, Chimeric mAb, Human IgG1 with a linear range of 0.1-2 ng/mL.
Molecular Mass	The protein has a calculated MW of 36.3 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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>90% as determined by SEC-MALS.

Storage

This product is stable after storage at:
 -20°C to -70°C for 12 months in lyophilized state;
 -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

S surface glycoprotein [Severe acute respiratory syndrome coronavirus 2]

Official Symbol

Spike

Synonyms

Spike; S1 protein; Spike glycoprotein Subunit1; S glycoprotein Subunit1; Spike protein S1; COVID-19 Omicron

Gene ID

43740568

Protein Refseq

YP_009724390.1

UniProt ID

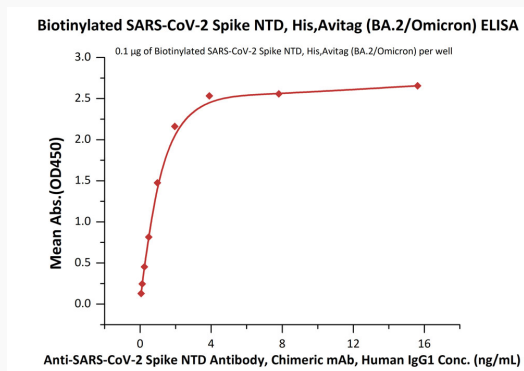
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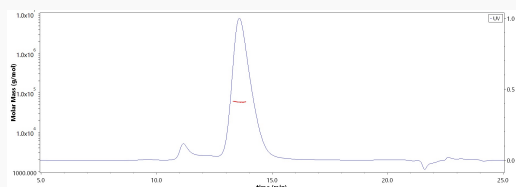
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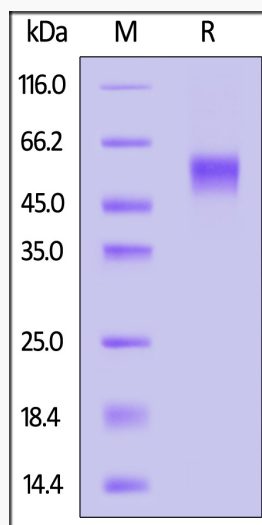
Bioactivity-ELISA



SEC-MALS



SDS-PAGE



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