

Source

Anti-SARS-CoV-2 Spike NTD Antibody, Human IgG1 is isolated from a Spike NTD infected Human and is recombinantly produced from human 293 cells (HEK293)

Isotype

Human IgG1/kappa

Specificity

This product is a specific antibody specifically reacts with Spike NTD.

Application

ELISA

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Formulation

Supplied as 0.2 µm filtered solution in PBS, pH7.4.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped as sterile liquid solution with dry ice, please inquire the shipping cost.

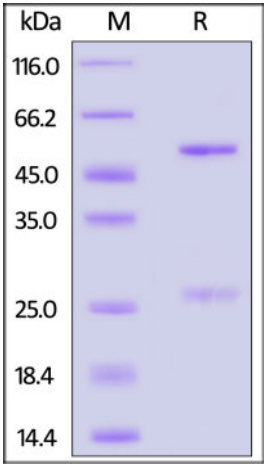
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- For long term storage, the product is stable for up to 3 years at -70°C from date of receipt;
- For short term storage, the product is stable for up to 12 months at 2-8°C from date of receipt.

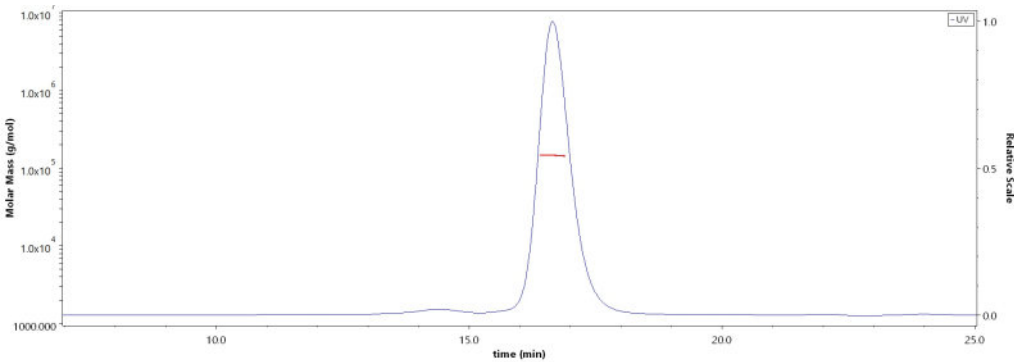
SDS-PAGE



Anti-SARS-CoV-2 Spike NTD Antibody, Human IgG1 on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

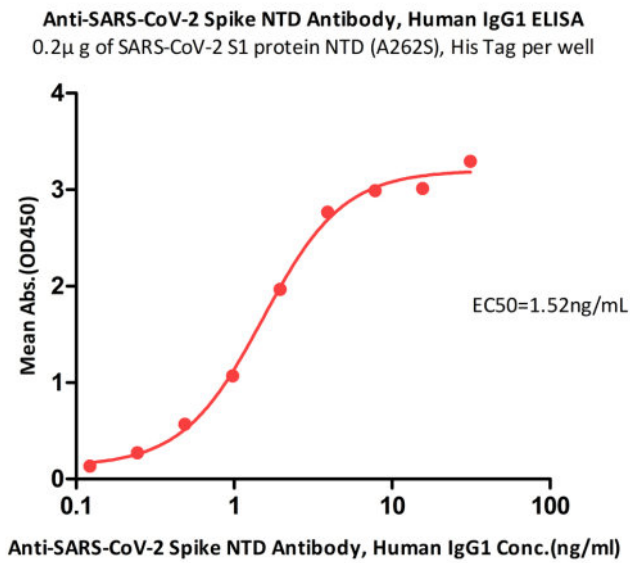
Bioactivity-Elisa

SEC-MALS



The purity of Anti-SARS-CoV-2 Spike NTD Antibody, Human IgG1 (Cat. No. SPD-S164) is more than 90% and the molecular weight of this protein is around 135-155kDa verified by SEC-MALS.

[Report](#)



Immobilized SARS-CoV-2 S1 protein NTD (A262S), His Tag (MALS verified) (S1D-C52H5) at 2μg/mL (100μL/well) can bind Anti-SARS-CoV-2 Spike NTD Antibody, Human IgG1 (Cat. No. SPD-S164) with a linear range of 0.12-125ng/mL (QC tested).

Background

S protein has two functional regions, S1 and S2. S1 is composed of four domains, including N-amino-terminal domain (NTD) and receptor-binding domain (RBD), and binds to host cell receptor ACE2. Compared with RBD antibody, the neutralization ability of NTD antibody is weak, most of which can recognize the three-dimensional conformation of viral protein. In the NTD region of mutant strains, there are a large number of amino acid deletion and insertion, as well as numerous point mutations, most of which can escape the recognition and neutralization of NTD antibody.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.