

RP02331

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Biotinylated Recombinant SARS-COV-2 Spike S1+S2 ECD (S-ECD) Trimer Protein

Catalog No.: RP02331 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	43740568	QHD43416.1

Tags

C-His&Avi

Synonyms

S protein;Spike glycoprotein;S glycoprotein;COVID-19

Product Information

Source

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Background

Basic Information

Description

Biotinylated Recombinant SARS-COV-2 Spike S Trimer Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Glu1188) of SARS-COV-2 Spike S Trimer fused with a His tag and Avi at the C-terminal.

Bio-Activity

Immobilized Biotinylated SARS-COV-2 Spike S, His Tag at 0.5 μg/mL (100 μL/Well). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 36.5 ng/mL determined by ELISA.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

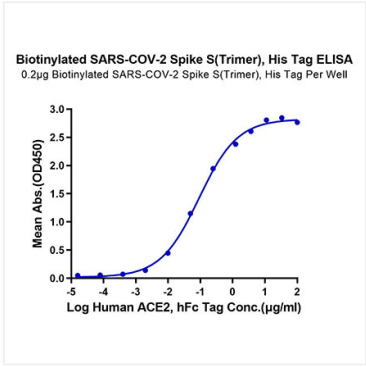
Store at -20°C
Avoid repeated freeze/thaw cycles.

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Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
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or stabilizer (e.g. 0.1% BSA, 5% HSA,
10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize free-thaw cycles.

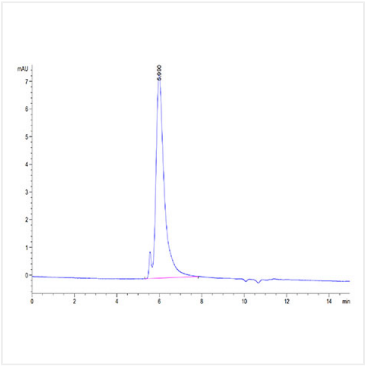
Contact



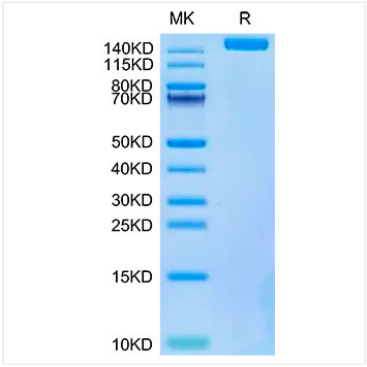
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Immobilized Biotinylated SARS-COV-2 Spike S (Trimer) , His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 91.1ng/ml determined by ELISA.



The purity of Biotinylated SARS-COV-2 Spike S Trimer is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant SARS-COV-2 Spike S1+S2 ECD (S-ECD) Trimer Protein was determined by Tris-Bis PAGE under reducing conditions.