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

Catalog No.: RP02334

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Sequence Information

Species	Gene ID
SARS-COV-2	43740568
Swiss Prot	**Tags**
QHD43416.1	C-hFc

Synonyms
S protein,Spike glycoprotein,S glycoprotein,COVID-19

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.
Calculated MW	**Observed MW**
158.3 kDa	230-250 kDa

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
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description
Recombinant SARS-COV-2 Spike S1+S2 ECD (S-ECD) Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Glu1188) of SARS-COV-2 Spike S fused with hFc tag at the C-terminal.

Activity
Immobilized Human ACE2,His Tag at 5 μg/mL (100 μL/Well). Dose response curve for SARS-COV-2 Spike S,hFc Tag with the EC_{50} of 0.9 μg/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.

Storage
Store at -20℃

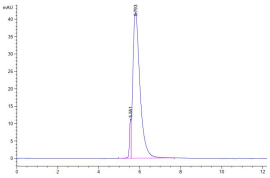
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

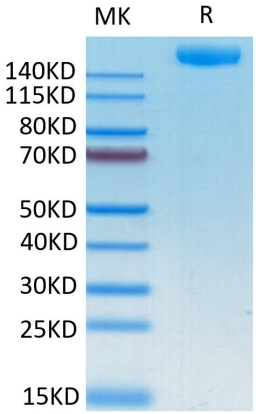
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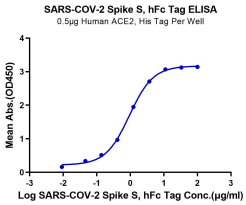
Validation Data



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



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



Immobilized Human ACE2,His Tag at 5μg/ml (100μl/Well). Dose response curve for SARS-COV-2 Spike S,hFc Tag with the EC_{50} of 0.9μg/ml determined by ELISA.