

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

Catalog No.: RP02331 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
SARS-COV-2	43740568	QHD43416.1

Tags

C-His&Avi

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

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 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

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

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.

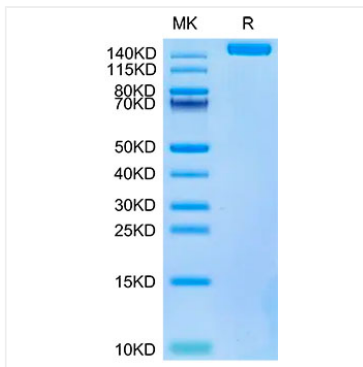
Storage

Store the lyophilized protein at -20°C to -80°C for long term.

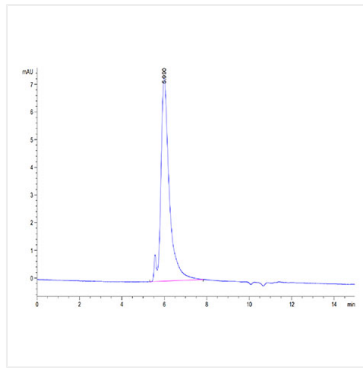
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

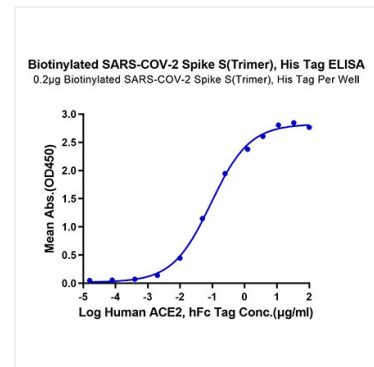
Validation Data



Biotinylated SARS-COV-2 Spike S Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



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.