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

Catalog No.: RP01260MT Recombinant 2 Publications

Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV-2	43740568	

Tags
C-His&Avi

Synonyms
Envelope;SARS-CoV-2 Spike RBD (N501Y);Spike;Spike ECD;Spike RBD;Spike S1;Spike S2;Spike S2 ECD;S1-RBD protein;NCP-CoV RBD Protein;novel coronavirus RBD Protein;2019-nCoV RBD Protein;S glycoprotein Subunit1 RBD Protein

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW	Observed MW
132.9kDa	> 170 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 or Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.Contact us for customized product form or formulation.

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(2019-nCoV) S1+S2 ECD（S-ECD） Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence Val16-Glu1188 of SARS-COV-2(2019-nCoV) S1+S2 ECD（S-ECD） (Accession #QHD43416.1) fused with a 6×His tag at the C-terminus.

Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Spike S1+S2 ECD at 2 μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-3.03 ng/mL.

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℃
Avoid repeated freeze/thaw cycles.

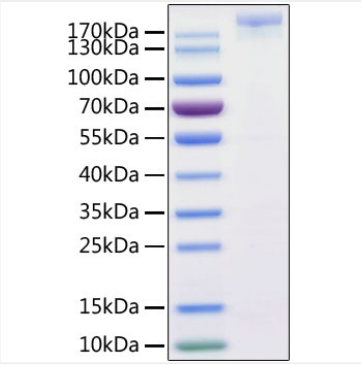
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

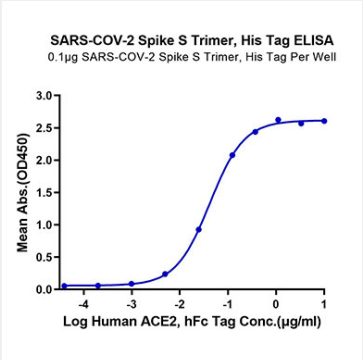
☎	400-999-6126
✉	cn.market@abclonal.com.cn
🌐	www.abclonal.com.cn

* 为了您的安全和健康，请穿实验服并戴一次性手套操作。

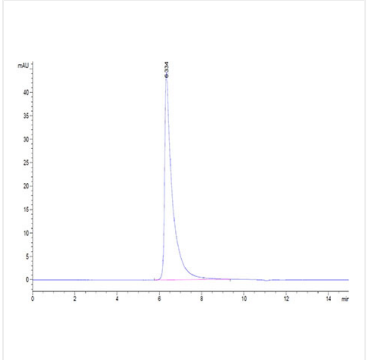
Validation Data



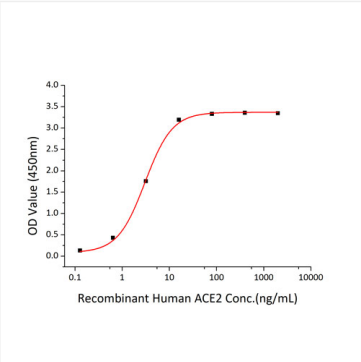
Recombinant SARS-CoV-2 Spike S1+S2 ECD(S-ECD) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized SARS-COV-2 Spike S Trimer, His Tag at 1μg/ml (100μl/Well). Dose response curve for Human ACE2, hFc Tag with the EC_{50} of 42.2ng/ml determined by ELISA.



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



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