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

Catalog No.: RP01283LQ

Sequence Information

Species
SARS-CoV-2

Gene ID
43740568

Swiss Prot
P0DTC2

Tags
C-His

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
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
133.58 kDa

Observed MW
180 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Background

Basic Information

Description
Recombinant SARS-CoV-2 S1+S2 ECD(S-ECD) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val11-Gln1208) of SARS-COV-2 S1+S2 ECD(S-ECD) (Accession #YP_009724390.1) fused with a 6×His tag at the C-terminus.It is the wildtype sequence in pre-fusion state without any mutation.

Activity
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2 S1+S2 ECD(S-ECD) at 2 μg/mL (100 μL/well) can bind recombinant Human ACE2 with a linear range of 0.15-3.72 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 -70℃

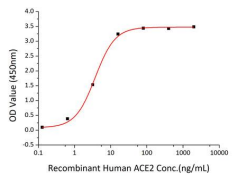
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

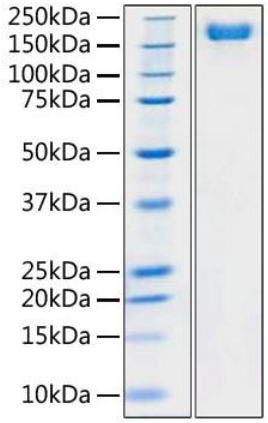
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized SARS-CoV-2 S1+S2 ECD(S-ECD) at 2μg/mL (100 μL/well) can bind recombinant Human ACE2 with a linear range of 0.15-3.72 ng/mL.



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