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

Catalog No.: RP01260LQ

Sequence Information

Species	Gene ID
SARS-COV-2	43740568
Swiss Prot	**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	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
14.11 kDa	80 kDa, 110 kDa, 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

The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates thisinteraction.The S protein plays key parts in the induction of neutralizing-antibody and T-cellresponses, as well as protective immunity.

Basic Information

Description

Recombinant SARS-COV-2 Spike 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(2019-nCoV) S1+S2 ECD (S-ECD) (Accession #YP_009724390.1) fused with a 6×His tag at the C-terminus.

Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Spike S1+S2 ECD-His at 2 μg/mL (100 μL/well) can bind Recombinant Human ACE2 with a linear range of 0.15-9.92 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

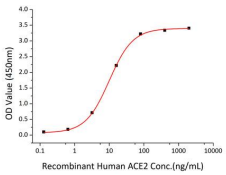
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

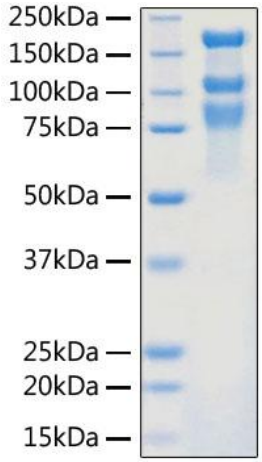
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Recombinant SARS-COV-2 Spike S1+S2 ECD-His at 2μg/mL (100 μL /well) can bind Recombinant Human ACE2 with a linear range of 0.15-9.92 ng/mL.



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