Biotinylated Recombinant SARS-COV-2 Spike RBD Protein

Catalog No.: RP02326

Sequence Information

Species
SARS-COV-2

Gene ID
43740568

Swiss Prot
QHD43416.1

Tags
C-His&Avi

Synonyms
S protein RBD,Spike glycoprotein Receptor-binding domain,S glycoprotein RBD,Spike protein RBD

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
27 kDa

Observed MW
36-40 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
Biotinylated Recombinant SARS-COV-2 SARS-COV-2 Spike RBD Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Arg319-Asn532) of SARS-COV-2 SARS-COV-2 Spike RBD fused with His tag and Avi at the C-terminal.

Activity
Immobilized Human ACE2,His Tag at 2 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated SARS COV-2 Spike RBD,His Tag with the EC_{50} of 0.097 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℃

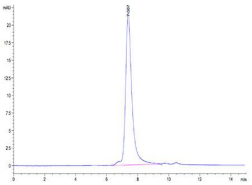
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

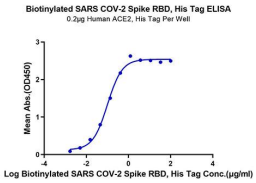
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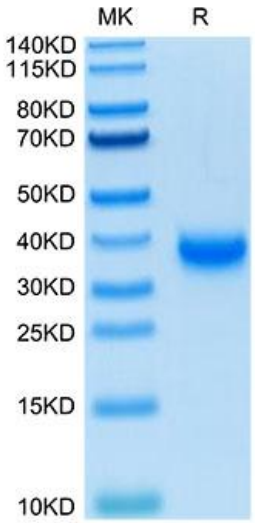
Validation Data



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



Immobilized Human ACE2, His Tag at 2μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated SARS COV-2 Spike RBD, His Tag with the EC_{50} of 0.097μg/ml determined by ELISA.



Biotinylated Recombinant SARS-COV-2 Spike RBD Protein was determined by Tris-Bis PAGE under reducing conditions.