RP01299

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant SARS-CoV Spike RBD Protein

Catalog No.: RP01299 Recombinant 1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV	1489668	P59594

Tags
C-His

Synonyms
Spike;Spike RBD;Spike S1

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS,300mM NaCl, pH 7.4.or Supplied as a 0.22 μm filtered solution in PBS,300mM NaCl, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex 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.

Contact

www.abclonal.com

Background

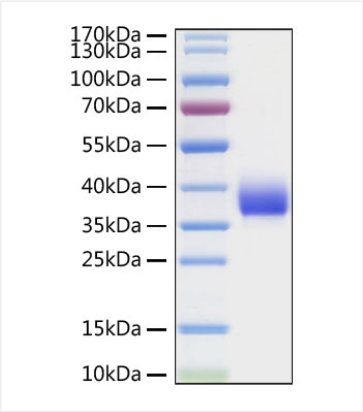
Basic Information

Description
Recombinant SARS-CoV Spike RBD Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg306-Phe527) of sars-cov Spike RBD (Accession #NP_828851.1) fused with a 6×His tag at the C-terminus.

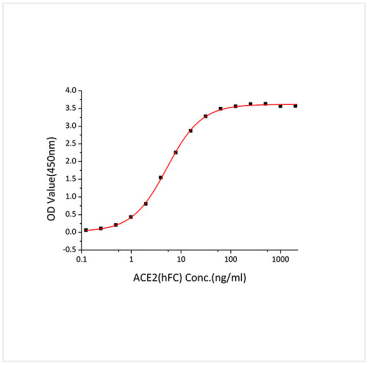
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV Spike RBD at 2μg/mL (100μL/well) can bind Human ACE2 (Catalog: RP01275) with a linear range of 0.1-5.18 ng/mL.

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.
or This product is stable at ≤ -70°C for up to 6 months from the date of receipt.
For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant SARS-CoV Spike RBD Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 36-40 kDa.



Immobilized SARS-CoV Spike RBD at 2μg/mL (100μL/well) can bind Human ACE2 (Catalog: RP01275) with a linear range of 0.1-5.18 ng/mL.