

Recombinant SARS-COV-2 Spike RBD Protein

Catalog No.: RP02325

Sequence Information

Species SARS-COV-2
Gene ID 43740568

Swiss Prot QHD43416.1
Tags C-hFc

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 / Observed MW

50.7 kDa 55-70 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 stabilizer (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 Spike RBD Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Arg319-Phe541) of SARS-COV-2 Spike RBD fused with hFc tag at the C-terminal.

Activity

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°C

Operational Notes

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

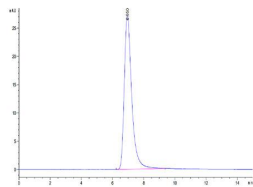
Contact

☎ | 400-999-6126

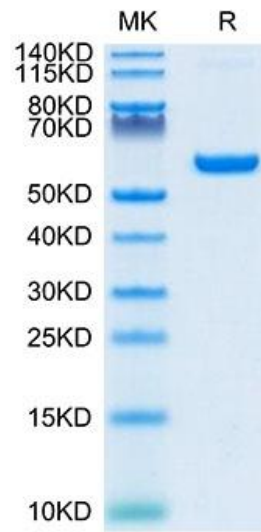
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

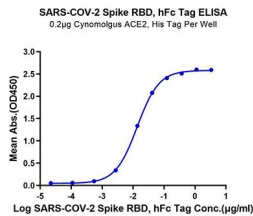
Validation Data



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



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



Immobilized Cynomolgus ACE2, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for SARS-COV-2 Spike RBD, hFc Tag with the EC₅₀ of 13.5ng/ml determined by ELISA.