

RP02481

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Recombinant SARS-CoV Spike RBD Protein

Catalog No.: RP02481

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
SARS-CoV	1489668	P59594

Tags

C-His&Avi

Synonyms

Spike;Spike RBD;Spike S1

Product Information

Source

HEK293 cells

Purification

> 95% by Tris-Bis
PAGE;> 95% by
SEC-HPLC

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 freeze-thaw cycles.

Background

Basic Information

Description

Recombinant SARS-CoV Spike RBD Protein is produced by Expi293 expression system.
The target protein is expressed with sequence (Arg306-Phe527) of SARS SARS Spike
RBD fused with His tag and Avi at the C-terminal.

Bio-Activity

Immobilized SARS RBD,His Tag at 0.5 μg/mL (100 μL/Well). Dose response curve for
Human ACE2,hFc Tag with the EC₅₀ of 83.8 ng/mL determined by
ELISA.

Storage

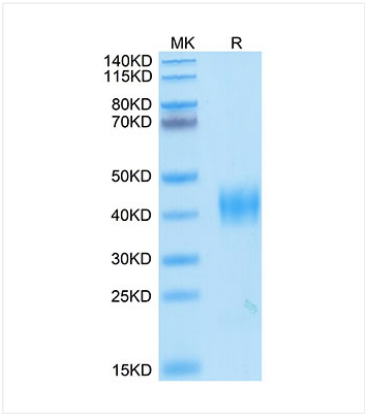
Store the lyophilized protein at -20°C to -80°C for long term.
After reconstitution,
the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

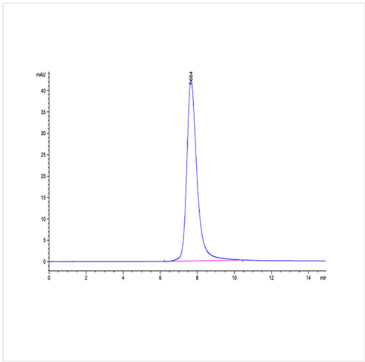


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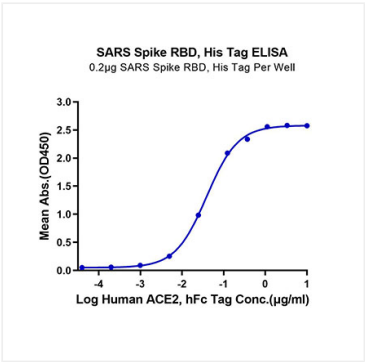
Validation Data



SARS Spike RBD on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized SARS Spike RBD, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 39.0ng/ml determined by ELISA.