

RP02328

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Biotinylated Recombinant SARS-COV-2 Spike S1 Protein

Catalog No.: RP02328 **Recombinant**

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|----------|------------|
| Expi293 | 43740568 | QHD43416.1 |

Tags

C-His-Avi

Synonyms

S1 protein;Spike glycoprotein
Subunit1;S glycoprotein
Subunit1;Spike protein S1

Product Information

| Source | Purification |
|---------|--|
| Expi293 | > 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 free-thaw cycles.

Contact



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Background

Basic Information

Description

Biotinylated Recombinant SARS-COV-2 SARS-COV-2 Spike S1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Gln14-Arg683) of SARS-COV-2 SARS-COV-2 Spike S1 fused with His tag and Avi tag at the C-terminal.

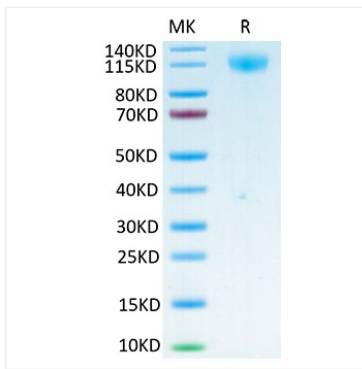
Bio-Activity

Immobilized Biotinylated SARS-COV-2 Spike S1,His Tag at 0.5μg/ml (100μl/Well).
Dose response curve for Human ACE2,hFc Tag with the EC₅₀ of
16.1ng/ml determined by ELISA.

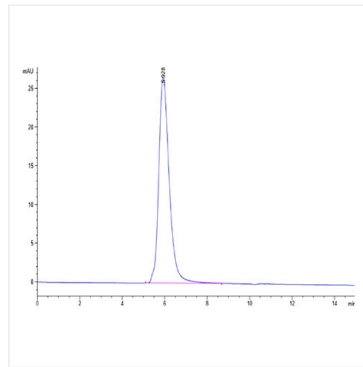
Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from
the date of receipt. 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.

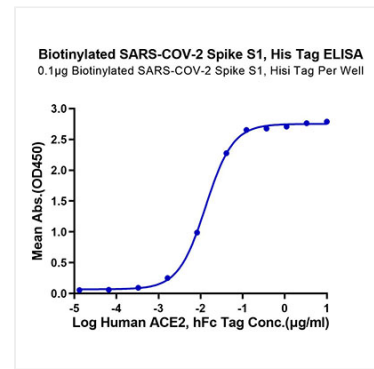
Validation Data



Biotinylated SARS-COV-2 Spike S1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated SARS-COV-2 Spike S1 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated SARS-COV-2 Spike S1, Hisi Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 13.2ng/ml determined by ELISA.