

Recombinant SARS-COV-2 Spike S Trimer Protein

Catalog No.: RP02330 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
SARS-COV-2	QHD43416.1	QHD43416.1

Tags

His tag and Avi tag at the C-terminal

Synonyms

S protein; Spike glycoprotein; S glycoprotein; COVID-19

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

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Basic Information

Description

Recombinant SARS-COV-2 Spike S Trimer Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Val16-Glu1188) of SARS-COV-2 Spike S Trimer fused with His tag and Avi tag at the C-terminal.

Bio-Activity

Immobilized SARS-COV-2 Spike S Trimer, His Tag at 0.5 μg/ml (100 μl/Well). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 47.3/37.8/37.0 ng/ml determined by ELISA. Immobilized SARS-COV-2 Spike S Trimer, His Tag at 0.5 μg/ml (100 μl/Well). Dose response curve for Human ACE2, hFc Tag with the EC₅₀ of 47.3 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.

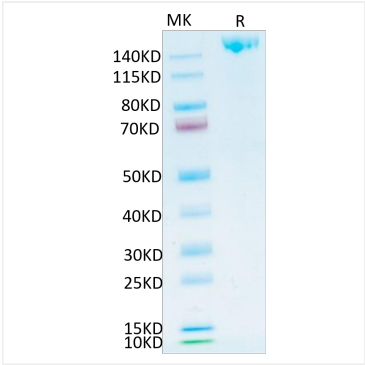
Contact

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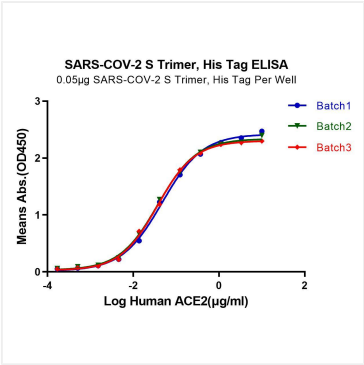
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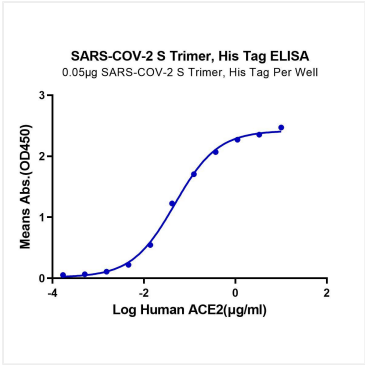
Validation Data



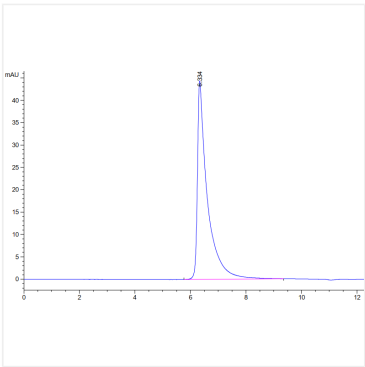
SARS-COV-2 Spike S Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized SARS-COV-2 Spike S Trimer,His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Human ACE2,hFc Tag with the EC₅₀ of 47.3/37.8/37.0ng/ml determined by ELISA.



Immobilized SARS-COV-2 Spike S Trimer,His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Human ACE2,hFc Tag with the EC₅₀ of 47.3ng/ml determined by ELISA.



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