

Catalog No.: RP02333 **Recombinant**

Species	Gene ID	Swiss Prot
SARS-COV-2	43740568	OHD43416.1

C-hFc&Avi

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

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

102.6 kDa 130-140 kDa

< 1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

 | 400-999-6126

✉ | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Recombinant 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 Spike S1 fused with hFc tag and Avi tag at the C-terminal.

Immobilized Human ACE2, His Tag at 0.5 µg/mL (100 µL/Well). Dose response curve for SARS-COV-2 Spike S1, hFc Tag with the EC₅₀ of 0.1 µg/mL determined by ELISA.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

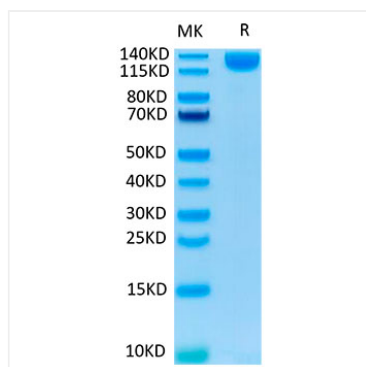
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

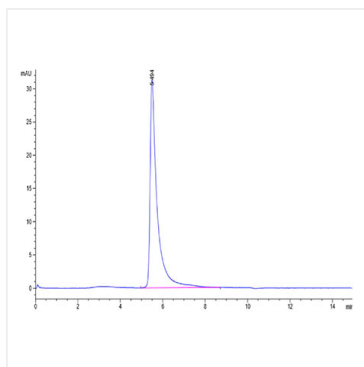
Avoid repeated freeze/thaw cycles.

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

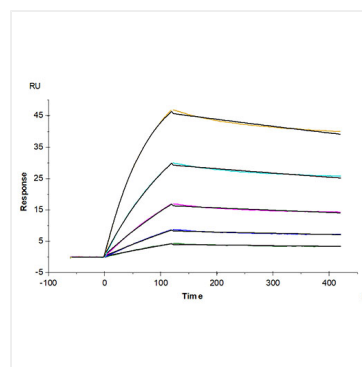
Validation Data



Recombinant SARS-COV-2 Spike S1 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



SARS-COV-2 Spike S1, hFc Tag captured on CM5 Chip via Protein A can bind Human ACE2, His Tag with an affinity constant of 3.80 nM as determined in SPR assay (Biacore T200).