

Recombinant SARS Spike S1 protein, hFc-Avi-tagged

Cat. No. Spike-6733S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS Spike S1 protein(P59594)(Ser14-Arg667), fused with C-terminal hFc and Avi tag, was expressed in HEK293.
Species	SARS
Source	HEK293
ProteinLength	Ser14-Arg667
Tag	C-hFc-Avi
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized SARS Spike S1, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human ACE2, His Tag with the EC50 of 0.21µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 100.6 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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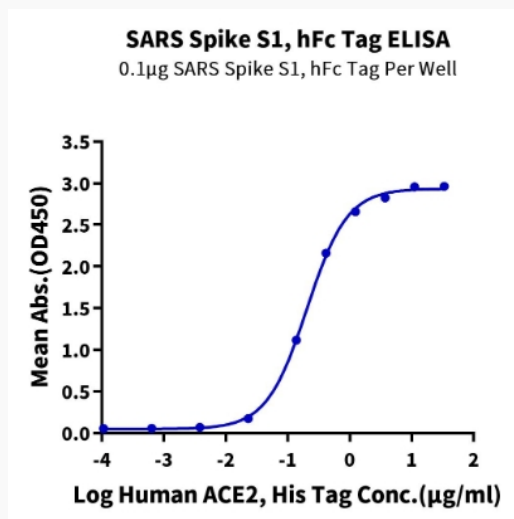
Storage

Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Reconstitution

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Tris-Bis PAGE

ELISA Data


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