

Recombinant SARS Spike RBD protein, His-Avi-tagged

Cat. No. Spike-2433S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS Spike RBD protein(P59594)(Arg306-Phe527), fused with C-terminal His and Avi tag, was expressed in HEK293.
Species	SARS
Source	HEK293
ProteinLength	Arg306-Phe527
Tag	C-His-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 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.
Molecular Mass	The protein has a predicted MW of 27.9 kDa. Due to glycosylation, the protein migrates to 36-46 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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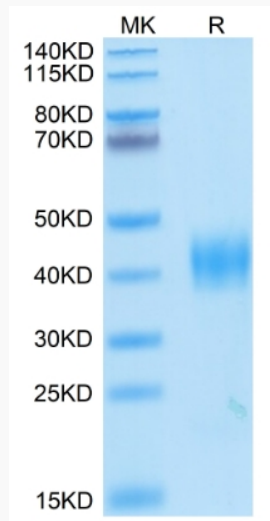
Storage

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.

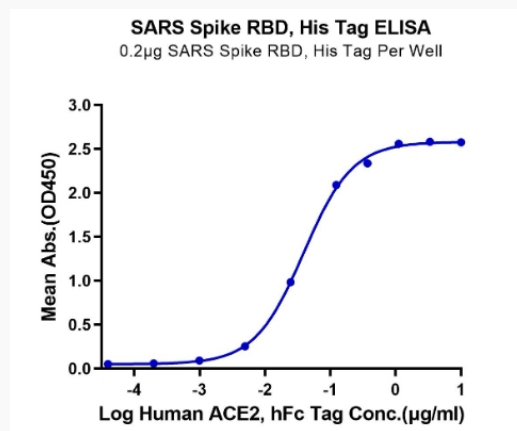
Reconstitution

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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