

Recombinant SARS Spike RBD protein, His-Avi-tagged, Biotinylated

Cat. No. Spike-2422S **Lot. No.** (See product label)

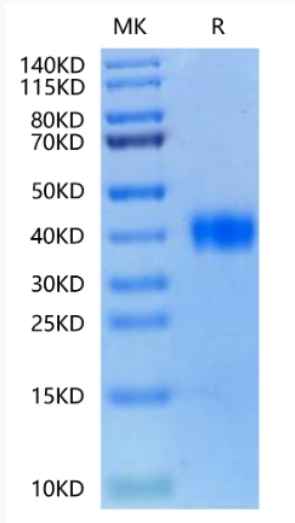
SPECIFICATION

Product Overview	Biotinylated 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
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ACE2, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated SARS Spike RBD, His Tag with the EC50 of 0.17µg/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.

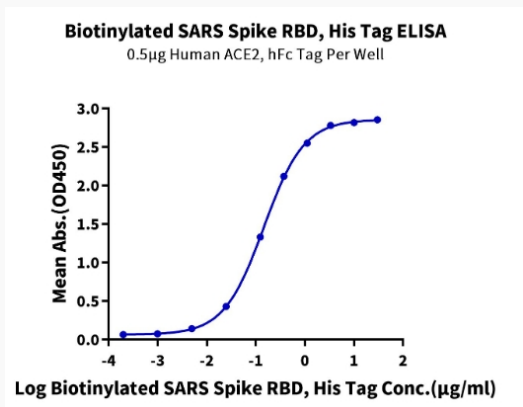
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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Conjugation	Biotin
Tris-Bis PAGE	 The image shows a Tris-Bis PAGE gel. On the left, molecular weight markers (MK) are labeled from 140KD down to 10KD. On the right, a single protein band (R) is visible at approximately 40KD.

ELISA Data



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