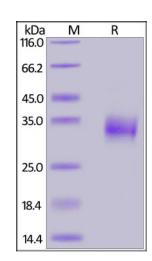
SARS-CoV-2 (COVID-19) S protein RBD, His Tag

Catalog # SPD-C52H2



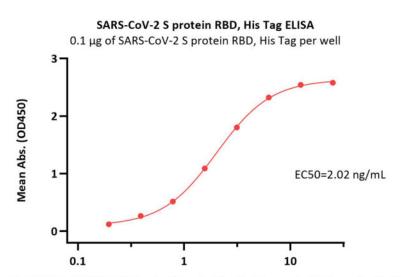
Synonym	Purity
Spike,S protein RBD,Spike glycoprotein Receptor-binding domain,S	>90% as determined by SDS-PAGE.
glycoprotein RBD,Spike protein RBD	Formulation
Source	
SARS-CoV-2 S protein RBD, His Tag (SPD-C52H2) is expressed from human	Supplied as 0.2 μ m filtered solution in PB, pH7.4 .
293 cells (HEK293).	Contact us for customized product form or formulation.
Molecular Characterization	Shipping
This protein carries a polyhistidine tag at the C-terminus	This product is supplied and shipped as sterile liquid solution with dry ice,
The protein has a calculated MW of 24.7 kDa. The protein migrates as 30-35	please inquire the shipping cost.
kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.	Storage
Endotoxin	
Level develop 1 0 FIL was as the development of the development	Please avoid repeated freeze-thaw cycles.
Less than 1.0 EU per μ g by the LAL method.	Please avoid repeated freeze-thaw cycles. This product is stable after storage at:
Less than 1.0 EU per μ g by the LAL method.	

SDS-PAGE



SARS-CoV-2 S protein RBD, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



Anti-SARS-CoV-2 RBD Neutralizing Antibody, Human IgG1 Conc. (ng/mL)





SARS-CoV-2 (COVID-19) S protein RBD, His Tag



Immobilized SARS-CoV-2 S protein RBD, His Tag (Cat. No. SPD-C52H2) at 1 μ g/mL (100 μ L/well) can bind Anti-SARS-CoV-2 RBD Neutralizing Antibody, Human IgG1 (Cat. No. SAD-S35) with a linear range of 0.2-3 ng/mL (QC tested).

Background

It's been reported that Coronavirus can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.





7/26/2023