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Datasheet for ABIN6952427

SARS-CoV-2 Spike S1 Protein (His tag)

6 Images

10 Publications

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike S1
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike S1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Functional Studies (Func)

Product Details

Sequence:	AA 16-685
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 76.9 kDa. The protein migrates as 100-140 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. AA 16-685
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Biological Activity Comment:	Immobilized 2019-nCoV S1 protein, His Tag at 2 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 2-20 ng/mL (QC tested).

Target Details

Target:	SARS-CoV-2 Spike S1
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Target Details

Abstract:	SARS-CoV-2 Spike S1 Products
Target Type:	Viral Protein
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.
Molecular Weight:	76.9 kDa
Gene ID:	43740568
UniProt:	P0DTC2

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	-20°C

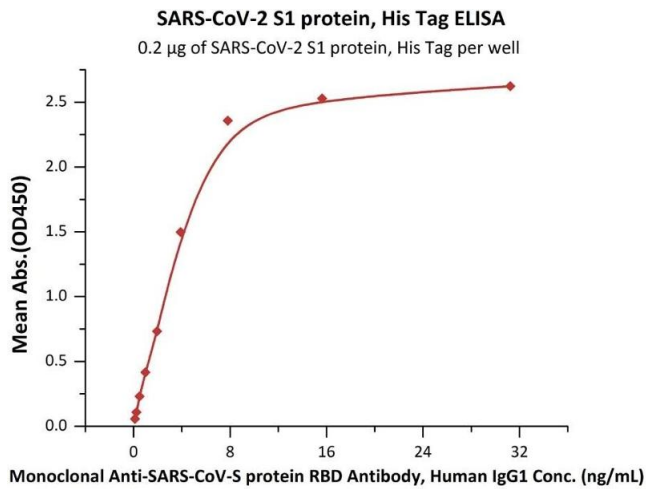
Publications

Product cited in: Ricard, Ciais, Levet, Subileau, Mallet, Zimmers, Lee, Bidart, Feige, Bailly: "BMP9 and BMP10 are critical for postnatal retinal vascular remodeling." in: **Blood**, Vol. 119, Issue 25, pp. 6162-71, (2012) ([PubMed](#)).

Calne, Lees: "Late progression of post-encephalitic Parkinson's syndrome." in: **The Canadian journal of neurological sciences. Le journal canadien des sciences neurologiques**, Vol. 15, Issue 2, pp. 135-8, (1988) ([PubMed](#)).

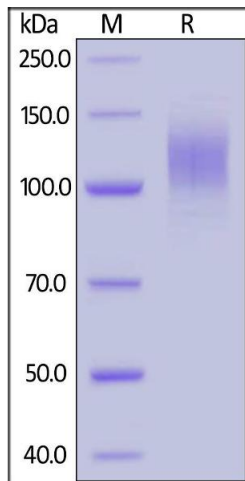
There are more publications referencing this product on: [Product page](#)

Images



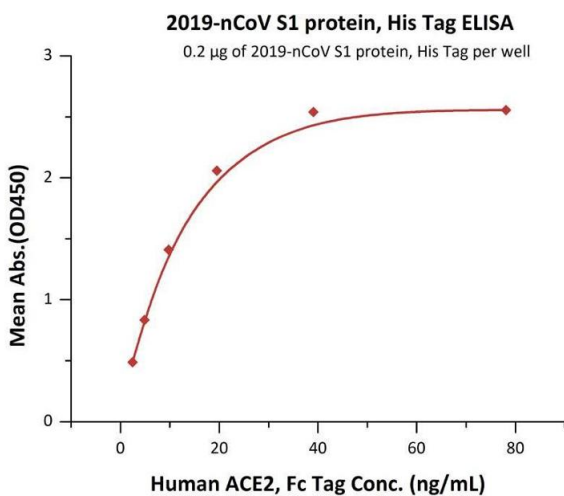
ELISA

Image 1. Immobilized SARS-CoV-2 S1 protein, His Tag (ABIN6952427, ABIN6952430) at 2 µg/mL (100 µL/well) can bind Monoclonal A-CoV-S protein RBD Antibody, Human IgG1 with a linear range of 0.1-4 ng/mL (Routinely tested).



SDS-PAGE

Image 2. 2019-nCoV S1 protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.



ELISA

Image 3. Immobilized 2019-nCoV S1 protein, His Tag (ABIN6952427) at 2 µg/mL (100 µL/well) can bind Human ACE2, Fc Tag with a linear range of 2-20 ng/mL (QC tested).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6952427.