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Datasheet for ABIN7013246

SARS-CoV-2 Spike S2 Protein (His tag)

2 Images

Overview

Quantity:	200 µg
Target:	SARS-CoV-2 Spike S2
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV-2 Spike S2 protein is labelled with His tag.

Product Details

Specificity:	SARS-CoV-2 (COVID-19) S2 protein, His Tag
Characteristics:	Human Siglec-1 / CD169 Protein, His Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 Spike S2
Alternative Name:	SARS-CoV-2 S2 protein (SARS-CoV-2 Spike S2 Products)
Target Type:	Viral Protein
Background:	It's been reported that SARS-CoV-2 can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. The spike protein is a large type I transmembrane

Target Details

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: 60.0 kDa

Application Details

Restrictions: For Research Use only

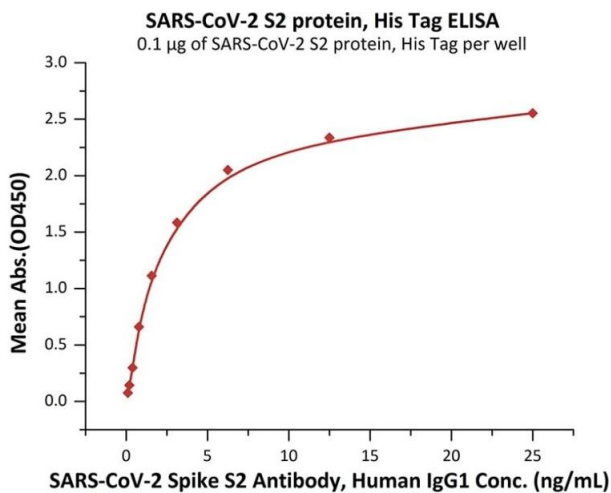
Handling

Format: Liquid

Buffer: 20 mM PB, 300 mM NaCl, pH 7.4

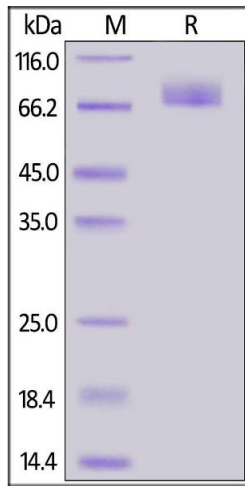
Storage: -80 °C

Images



ELISA

Image 1. Immobilized SARS-CoV-2 S2 protein, His Tag (ABIN6973259) at 1 µg/mL (100 µL/well) can bind SARS-CoV-2 Spike S2 Antibody, Human IgG1 with a linear range of 0.1-3 ng/mL (QC tested).



SDS-PAGE

Image 2. SARS-CoV-2 S2 protein, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .