

Datasheet for ABIN7274397

SARS-CoV-2 Spike Protein (Trimer) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Spike
Protein Characteristics:	Trimer
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Spike protein is labelled with Fc Tag.

Product Details

Sequence:	Val16-Glu1188
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human ACE2 at 5µg/ml (100µl/Well). Dose response curve for SARS-COV-2 Spike S (Trimer) , hFc Tag with the EC50 of 0.9µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	SARS-CoV-2 Spike
Alternative Name:	SARS-CoV-2 Spike S (SARS-CoV-2 Spike Products)

Target Details

Background:	S protein, Spike glycoprotein, S glycoprotein, COVID-19, The spike protein (S) of coronavirus (CoV) attaches the virus to its cellular receptor, angiotensin-converting enzyme 2 (ACE2). A defined receptor-binding domain (RBD) on S mediates this interaction. The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity.
Molecular Weight:	158.3 kDa. Due to glycosylation, the protein migrates to 230-250 kDa based on Tris-Bis PAGE result.

Application Details

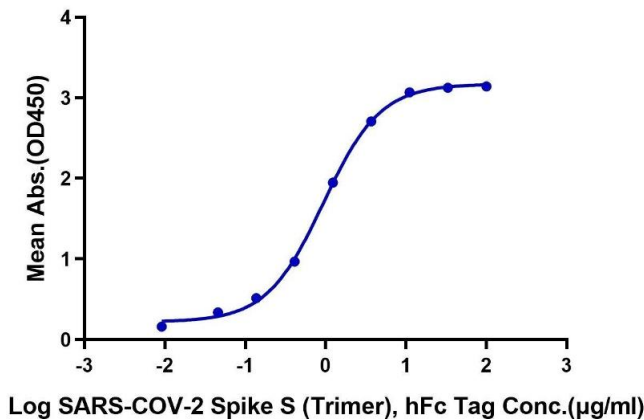
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.
Expiry Date:	12 months

Images

SARS-COV-2 Spike S (Trimer), hFc Tag ELISA
0.5µg Human ACE2, His Tag Per Well



ELISA

Image 1. Immobilized Human ACE2 at 5 µg/mL (100 µL/Well). Dose response curve for SARS-COV-2 Spike S (Trimer), hFc Tag with the EC₅₀ of 0.9 µg/mL determined by ELISA.