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Datasheet for ABIN7535151
SARS-CoV Spike Protein (RBD) (mFc Tag)

Overview

Quantity:	100 µg
Target:	SARS-CoV Spike (SARS-CoV S)
Protein Characteristics:	RBD
Origin:	SARS Coronavirus (SARS-CoV)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This SARS-CoV Spike protein is labelled with mFc Tag.

Product Details

Purpose:	Active Recombinant SARS-CoV Spike RBD Protein
Sequence:	<p>RVVPAGDVR FPNITNLCPF GEVFNATKFP SVYAWERKKI SNCVADYSVL YNSTFFSTFK CYGVSATKLN DLCFSNVYAD SFVVKGDDVR QIAPGQTGVI ADYNYKLPDD FMGCVLAWNT RNIDATSTGN YNYKYRYLRH GKLRPFERDI SNVPFSPDGK PCTPPALNCY WPLNDYGFYT TTGIGYQPYR VVLSFELLN APATVCGPKL STDLIKNQCV NF</p>
Specificity:	Arg306-Phe527
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV Spike RBD at 2µ

Product Details

g/mL (100µL/well) can bind Human ACE2 with a linear range of 0.1-11.56 ng/mL.

Target Details

Target:	SARS-CoV Spike (SARS-CoV S)
Alternative Name:	SARS-CoV Spike (SARS-CoV S Products)
Target Type:	Viral Protein
Background:	<p>Description: 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.</p> <p>Name: Spike,Spike RBD,Spike S1</p>
Gene ID:	1489668
UniProt:	P59594

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.