

Product Datasheet

SARS-CoV-2 (COVID-19) S1 Protein, mFc Tag (orb640170)

Catalog Number	orb640170
Category	Proteins
Description	<p>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>
Target	Spike S1
Conjugation	Unconjugated
Tag	C-mFc(mIgG2a)
Reactivity	Virus
Form/Appearance	Powder
Buffer/Preservatives	PBS, pH 7.4
Purity	90%
UniProt ID	QHD43416.1
MW	101.9 kDa
Application notes	<p>This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 101.9 kDa. The protein migrates as 115-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.</p>

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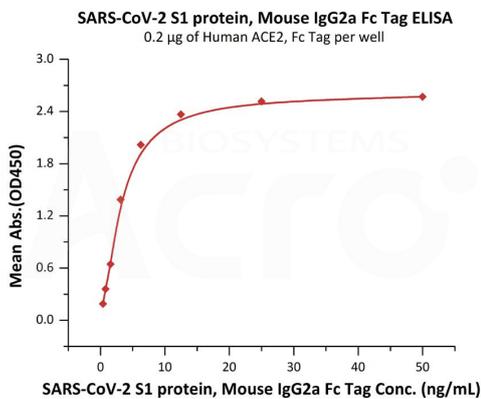
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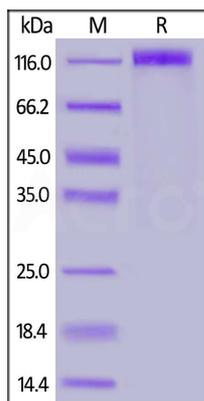
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Expression System	HEK293
Endotoxins	1.0 EU per µg
Expression Region	Val 16 - Arg 685
Storage	-20°C
Note	For research use only
NCBI	QHD43416.1
Expiration Date	6 months from date of receipt.



Line graph illustrates about the Ag-Ab reactions using different concentrations of antigen and serial dilutions of SARS-CoV-2 (COVID-19) S1 protein.



SDS-page analysis of SARS-CoV-2 (COVID-19) S1 protein.

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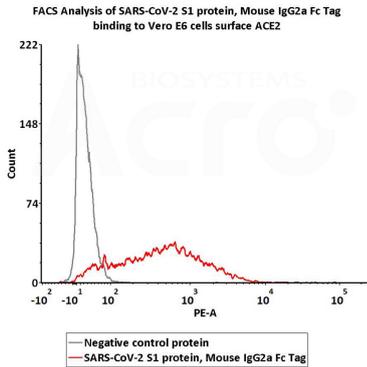
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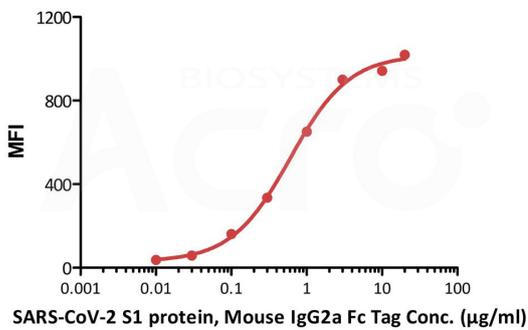
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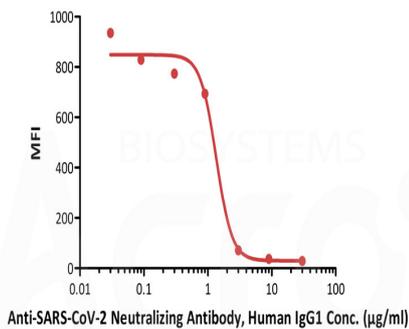
Flow cytometric analysis of Vero E6 cells using SARS-CoV-2 (COVID-19) S1 protein.

SARS-CoV-2 S1 protein, Mouse IgG2a Fc Tag



Flow cytometric analysis of Vero E6 cells using SARS-CoV-2 (COVID-19) S1 protein.

Competitive experiment of Anti-SARS-CoV-2 Neutralizing Antibody, Human IgG1



Flow cytometric analysis of Vero E6 cells using SARS-CoV-2 (COVID-19) S1 protein.

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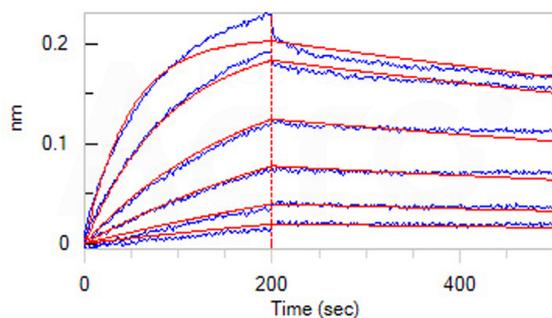
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