

Product Datasheet

SARS-CoV-2 (COVID-19) S Protein RBD, mFc Tag (orb640173)

Catalog Number	orb640173
Category	Proteins
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.
Target	Spike RBD
Conjugation	Unconjugated
Tag	C-mFc(mIgG2a)
Reactivity	Virus
Form/Appearance	Powder
Buffer/Preservatives	PBS, pH 7.4
Purity	95%
UniProt ID	QHD43416.1
MW	52.0 kDa
Application notes	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 52.0 kDa. The protein migrates as 60-65 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Expression System	HEK293
Endotoxins	1.0 EU per µg
Expression Region	Arg 319 - Phe 541
Storage	-20°C
Note	For research use only
NCBI	QHD43416.1
Expiration Date	6 months from date of receipt.

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