

## Product Datasheet

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

<b>Catalog Number</b>	orb640173
<b>Category</b>	Proteins
<b>Description</b>	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.
<b>Target</b>	Spike RBD
<b>Conjugation</b>	Unconjugated
<b>Tag</b>	C-mFc(mIgG2a)
<b>Reactivity</b>	Virus
<b>Form/Appearance</b>	Powder
<b>Buffer/Preservatives</b>	PBS, pH 7.4
<b>Purity</b>	95%
<b>UniProt ID</b>	QHD43416.1
<b>MW</b>	52.0 kDa
<b>Application notes</b>	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.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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

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7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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68 TW Alexander Drive  
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Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)