

Product Datasheet

SARS-CoV-2 (COVID-19) Spike RBD Monoclonal Antibody [B003] (orb1274005)

Catalog Number	orb1274005
Category	Antibodies
Description	SARS-CoV-2 (COVID-19) Spike RBD Monoclonal Antibody [B003]
Target	S
Clonality	Monoclonal
Species/Host	Human
Conjugation	Unconjugated
Reactivity	Virus
Form/Appearance	Liquid
Concentration	batch dependent
Buffer/Preservatives	PBS with 0.02% sodium azide, 10% glycerol, pH 7.2
Purification	Greater than 95% as determined by reducing SDS-PAGE.
Immunogen	S-RBD recombinant protein
Tested applications	ELISA, NeA, WB
Application notes	ELISA: ECD-1:320000, RBD-1:80000 WB: 1:1000~2000
Antibody Type	Primary Antibody
Modifications	None

Biorbyt Ltd.

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

Email: info@biorbyt.com, 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 27713-2847
United States

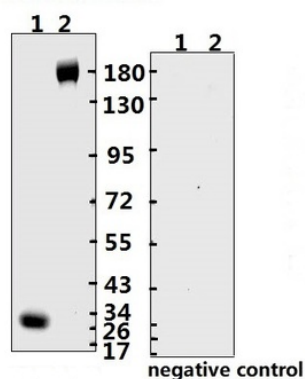
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note For research use only

NCBI [QHD43416.1](#)

Expiration Date 12 months from date of receipt.



Western Blot Validation with Recombinant Protein. Loading: 1 ug of recombinant protein per lane. Antibodies: SARS-CoV-2 (COVID-19) Spike-ECD/RBD Monoclonal, orb1274005, 1:4000. Secondary: Goat anti-human IgG HRP conjugate at 1:5000 dilution.

ELISA experiment

	1	2	
A	2.005	2.55	. 1:1000
B	1.846	2.453	. 1:10000
C	1.651	2.292	. 1:20000
D	1.325	1.858	. 1:40000
E	0.976	1.385	. 1:80000
F	0.668	0.951	. 1:160000
G	0.34	0.541	. 1:320000
H	0.167	0.113	Blank control

ELISA Test. Coating original concentration: 2 ug/mL, 100 uL/well samples are column 1: SARS-CoV-2 (COVID-19) Spike-ECD Recombinant Protein, and column 2: SARS-CoV-2 (COVID-19) Spike-RBD Recombinant Protein, orb1231624. Antibodies: SARS-CoV-2 (COVID-19) Spike-ECD/RBD Monoclonal Antibody, orb1274005. Secondary: Goat anti-human IgG HRP conjugate at 1:10000 dilution. Develop: 15 min, 100 uL/well. Stop: Stop buffer 50 uL/well.

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