

## Product Datasheet

# SARS-CoV-2 (COVID-19) Spike RBD Monoclonal Antibody [B002] (azide free) (orb1274008)

<b>Catalog Number</b>	orb1274008
<b>Category</b>	Antibodies
<b>Description</b>	SARS-CoV-2 (COVID-19) Spike RBD Monoclonal Antibody [B002] (azide free)
<b>Target</b>	S
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Virus
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	batch dependent
<b>Buffer/Preservatives</b>	PBS, pH 7.2
<b>Purification</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Immunogen</b>	S-RBD recombinant protein
<b>Tested applications</b>	ELISA, NeA, WB
<b>Application notes</b>	ELISA: ECD-1:320000, RBD-1:80000; WB: 1:500~1000
<b>Antibody Type</b>	Primary Antibody
<b>Modifications</b>	None

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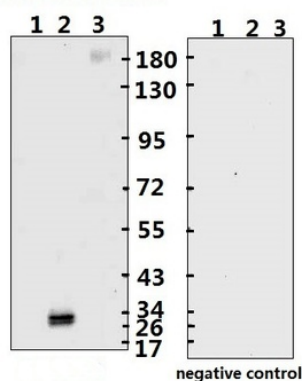
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**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**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, orb1274008, 1:500. Secondary: Goat anti-human IgG HRP conjugate at 1:5000 dilution.

### ELISA experiment

	1	2	
A	2.206	2.611	. 1:1000
B	2.159	2.336	. 1:10000
C	2.434	2.09	. 1:20000
D	2.37	1.671	. 1:40000
E	2.082	1.201	. 1:80000
F	1.756	0.777	. 1:160000
G	1.234	0.439	. 1:320000
H	0.337	0.068	<b>Blank control</b>

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, orb1274008. 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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