

## Product Datasheet

# SARS-CoV-2 Spike RBD Neutralizing Antibody, monoclonal, Chimeric (orb1274221)

<b>Catalog Number</b>	orb1274221
<b>Category</b>	Antibodies
<b>Description</b>	SARS-CoV-2 Spike RBD Neutralizing Antibody, monoclonal, Chimeric
<b>Target</b>	S
<b>Clonality</b>	Recombinant
<b>Isotype</b>	Human IgM/kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Mouse
<b>Form/Appearance</b>	Lyophilized
<b>Concentration</b>	batch dependent
<b>Buffer/Preservatives</b>	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4 , Contact us for customized product form or formulation.
<b>Purification</b>	>95% as determined by SDS-PAGE.
<b>Immunogen</b>	Anti-SARS-CoV-2 Spike RBD Neutralizing antibody, Human IgM is isolated from a SARS-CoV-2 infected patient and is recombinantly produced from human 293 cells (HEK293).
<b>UniProt ID</b>	<b>P0DTC2</b>
<b>Tested applications</b>	ELISA, WB

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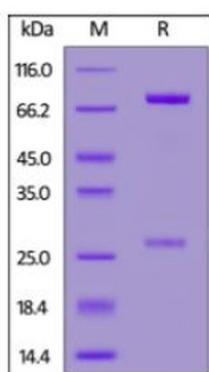
### Biorbyt LLC

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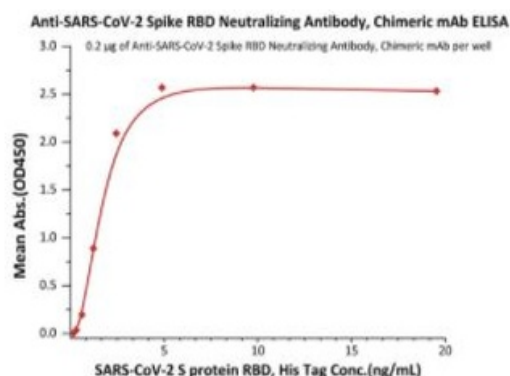
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<b>Specificity</b>	This product is a specific antibody against SARS-CoV-2 Spike protein RBD domain. No cross-reactivity is detected with Spike protein RBD domain of other coronaviruses, including SARS-CoV, MERS-CoV, HCoV-229E, HCoV-NL63, HCoV-OC43 and HCoV-HKU1.
<b>Antibody Type</b>	Primary Antibody
<b>Modifications</b>	None
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Anti-SARS-CoV-2 Spike RBD Neutralizing antibody, Human IgM on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.



Immobilized Anti-SARS-CoV-2 Spike RBD Neutralizing Antibody, Chimeric mAb, Human IgM at 2 µg/mL (100 µL/well) can bind SARS-CoV-2 S protein RBD, His Tag with a linear range of 0.6-2.4 ng/mL (QC tested).

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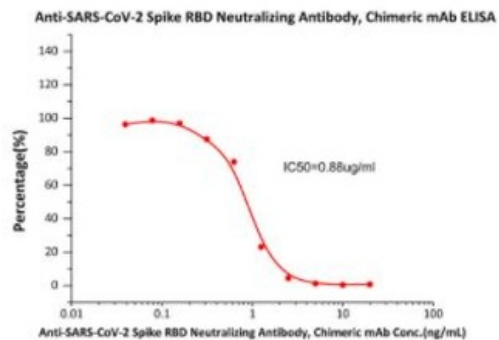
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Serial dilutions of Anti-SARS-CoV-2 Spike RBD Neutralizing Antibody, Chimeric mAb, Human IgM was detected by Biotinylated Human ACE2, His,Avitag with a half maximal inhibitory concentration (IC50) of 0.88 ug/mL (Routinely tested).

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