

Product Datasheet

SARS-CoV-2 (2019-nCoV) Spike Neutralizing Mouse Monoclonal Antibody (orb1048258)

Catalog Number	orb1048258
Category	Antibodies
Description	SARS-CoV-2 (2019-nCoV) Spike Neutralizing Mouse Monoclonal Antibody
Target	S
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Virus
Predicted Reactivity	Virus
Form/Appearance	Liquid
Concentration	Lot Dependent
Buffer/Preservatives	0.01M PBS (pH7.4).
Purification	Affinity purified by Protein A
Immunogen	Recombinant SARS-CoV-2 Spike S1 Protein (14-685/1213aa)
MW	140 kDa
Tested applications	ELISA

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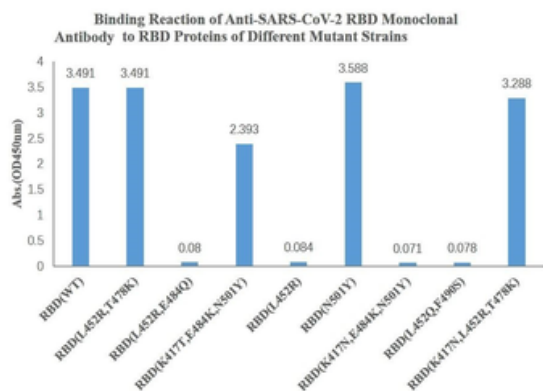
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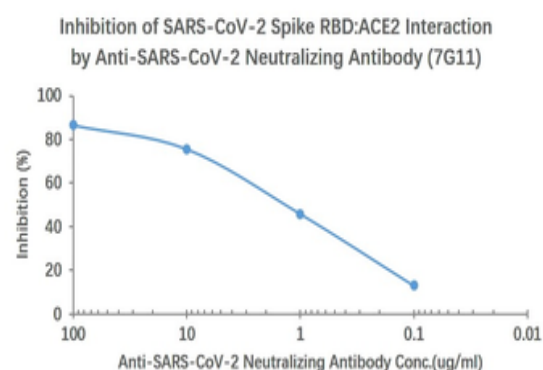
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Dilution range	ELISA=1:5000-10000
Antibody Type	Primary Antibody
Clone Number	7G11
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Direct ELISA was used to detect the binding ability of anti-RBD monoclonal antibody to RBD domain proteins of different SARS-CoV-2 Mutant Strains. Immobilized SARS-CoV-2 RBD proteins, at 2 µg/ml (100 ul/Well) can bind Anti-RBD monoclonal antibody-HRP at 1 µg/ml (100 ul/Well).



The ACE2-coated plate is incubated with SARS-CoV-2 Spike RBD-HRP (WT) and Anti-SARS-CoV-2 Spike RBD Neutralizing antibody. Percent inhibition is calculated based on the OD value by inhibiting RBD: ACE2 interaction.

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