

Product Datasheet

SARS-CoV-2 Spike RBD Human Recombinant Monoclonal Antibody (orb668901)

Description	Anti-SARS-CoV-2 Spike RBD Antibody, Chimeric mAb, Human IgG1 is a chimeric monoclonal antibody combining the constant domains of the human IgG1 molecule with mouse variable regions. The variable region was obtained from a mouse immunized with purified recombinant SARS-CoV-2 Spike S1 Protein. This antibody can broadly recognize all Variants of Concerns (VOCs), including Alpha (B.1.1.7), Beta (B.1.351), Gamma (P.1), Delta (B.1.617.2) and Omicron (B.1.1.529).
Species/Host	Human
Reactivity	Virus
Endotoxins	1.0 EU per µg
Conjugation	Unconjugated
Tested Applications	ELISA
Target	Spike RBD
Preservatives	Powder
Form/Appearance	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4 with trehalose as protectant. Contact us for customized product form or formulation.
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
Isotype	Human IgG1 Human Kappa
Clonality	Recombinant
Antibody Type	Recombinant Antibody

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Purity	> 95% as determined by SDS-PAGE. Protein A purified / Protein G purified.
Source	Anti-SARS-CoV-2 Spike RBD Antibody, Chimeric mAb, Human IgG1 (orb668901) is a chimeric monoclonal antibody combining the constant domains of the human IgG1 molecule with mouse variable regions. The variable region was obtained from a mouse immunized with purified recombinant SARS-CoV-2 Spike S1 Protein. This antibody can broadly recognize all Variants of Concerns (VOCs), including Alpha (B.1.1.7), Beta (B.1.351), Gamma (P.1), Delta (B.1.617.2) and Omicron (B.1.1.529).
Dilution Range	ELISA: 0.2-50 ng/mL
Expiration Date	12 months from date of receipt.

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