

Product Datasheet

SARS-CoV-2 (COVID-19) Spike 681P Antibody [8G10A1] (orb1239048)

Description	SARS-CoV-2 (COVID-19) Spike 681P Antibody [8G10A1]
Species/Host	Mouse
Reactivity	Virus
Conjugation	Unconjugated
Tested Applications	ELISA, WB
Immunogen	Anti-SARS-CoV-2 (COVID-19) Spike 681P antibody (orb1239048) was raised against a peptide corresponding to 12 amino acids near the center of SARS-CoV-2 Spike protein. The immunogen is located within 650-700 amino acids of the SARS-CoV-2 Spike protein.
Target	S
Preservatives	Anti-SARS-CoV-2 Spike 681P antibody is supplied in PBS containing 0.02% sodium azide.
Form/Appearance	Liquid
Concentration	1 mg/mL
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	IgG3
Clonality	Monoclonal
Clone Number	8G10A1

Biorbyt Ltd.

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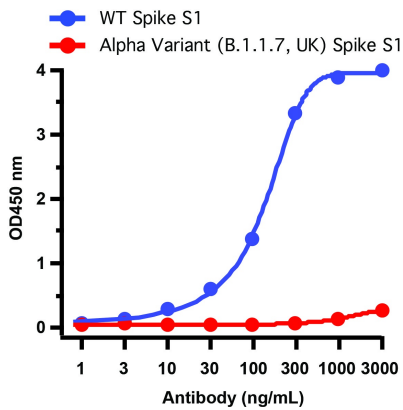
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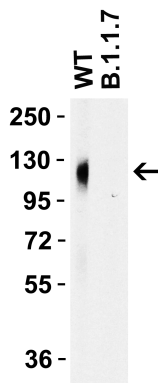
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NCBI **QHD43416**

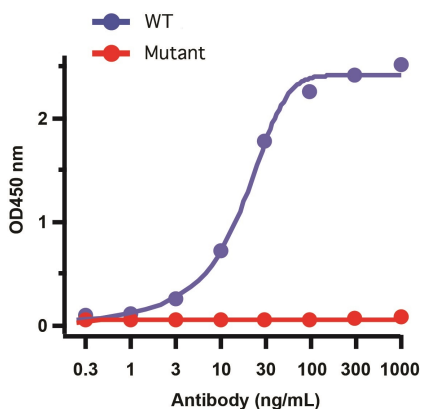
Expiration Date 12 months from date of receipt.



ELISA Validation of Spike 681P Antibodies with SARS-CoV-2 Spike S1 Protein. Coating Antigens: SARS-CoV-2 spike S1 proteins: WT and alpha variant (B.1.1.7, UK), 2 µg/mL, incubated at 4°C overnight. Detection Antibodies: SARS-CoV-2 Spike 681P antibody, orb1239048, dilution: 1-3000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5000, incubated at RT for 1 hr. SARS-CoV-2 spike 681P antibody (orb1239048) detected WT spike S1 protein (orb1231589), but not alpha variant spike S1 protein by ELISA.



WB Validation of Spike 681P Antibodies with SARS-CoV-2 Spike S1 Protein. Loading: 30 ng of SARS-CoV-2 spike S1 proteins: WT and alpha variant (B.1.1.7, UK). Detection Antibodies: SARS-CoV-2 Spike 681P antibody, orb1239048, 1 µg/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5000, incubated at RT for 1 hr. SARS-CoV-2 spike 681P antibody (orb1239048) detected WT spike S1 protein (orb1231589), but not alpha variant spike S1 protein by WB.



ELISA Validation of Spike 681P Antibodies with Mutant and WT Peptide. Coating Antigen: SARS-CoV-2 spike S1 peptides: WT (orb1231701) and alpha variant (B.1.1.7, UK) (orb1231664), 1 µg/mL, incubate at 4°C overnight. Detection Antibodies: SARS-CoV-2 681P antibody, orb1239048, dilution: 0.3-1000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5000, incubated at RT for 1 hr. SARS-CoV-2 spike 681P antibody (orb1239048) detected WT peptide (681P, orb1231701), but not alpha variant spike S1 peptide (681H, orb1231664).

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