

Product Datasheet

SARS-CoV-2 (COVID-19) Spike 26P Antibody [1C3H9] (orb1238713)

Description	SARS-CoV-2 (COVID-19) Spike 26P Antibody [1C3H9]
Species/Host	Mouse
Reactivity	Virus
Conjugation	Unconjugated
Tested Applications	ELISA, WB
Immunogen	Anti-SARS-CoV-2 Spike 26P antibody (orb1238713) was raised against a peptide corresponding to 11 amino acids near the amino terminus of SARS-CoV-2 Spike protein. The immunogen is located within the first 50 amino acids of SARS-CoV-2 Spike protein.
Target	S
Preservatives	SARS-CoV-2 Spike 26P 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	IgG2b
Clonality	Monoclonal
Clone Number	1C3H9

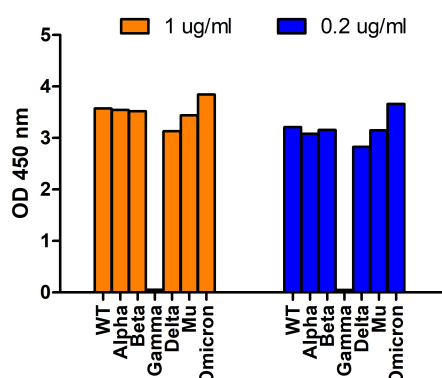
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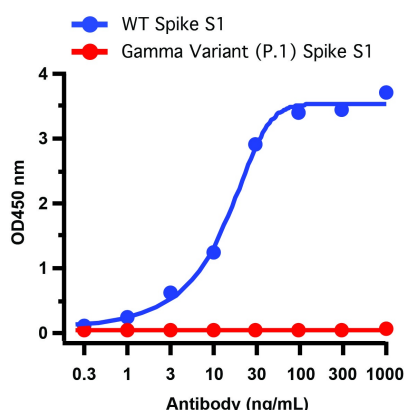
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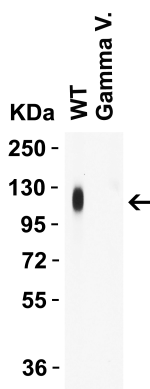
Antibody Type	Primary Antibody
Uniprot ID	P0DTC2
NCBI	QHD43416
Expiration Date	12 months from date of receipt.



SARS-Cov-2 Spike 26P Antibodies Detect Spike S1 Proteins of all Variants except Gamma Variant in an ELISA. Coating Antigen: SARS-CoV-2 spike S1 proteins WT, alpha variant (B.1.1.7), beta variant (B.1.351), gamma variant (P.1), delta variant (B.1.617.2), mu variant (B.1.621), and omicron variant (B.1.1.529), 1 µg/mL, incubated at 4°C overnight. Detection Antibodies: SARS-CoV-2 Spike 26P antibody, orb1238713, dilution: 200 and 1000 ng/mL, incubate at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5000, incubate at RT for 1 hr.



ELISA Validation of Spike 26P Antibodies with SARS-CoV-2 Gamma Variant Spike S1 Protein. Coating Antigen: SARS-CoV-2 spike S1 proteins of WT and Gamma variant (P.1), 1 µg/mL, incubate at 4°C overnight. Detection Antibodies: SARS-CoV-2 Spike 26P antibody, orb1238713, 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 26P antibody detects WT spike S1 protein (orb1231589), but not Gamma variant spike S1 protein.



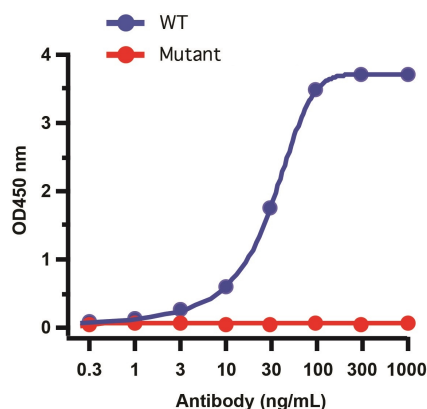
ELISA Validation of Spike 26P Antibodies with SARS-CoV-2 Gamma Variant Spike S1 Protein. Loading: 50 ng of SARS-CoV-2 spike S1 proteins, WT and Gamma variant (P.1). Detection Antibodies: Spike 26P antibody, orb1238713, 1 µg/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5000, incubated at RT for 1 hr. SARS-CoV-2 Spike 26P antibody detects WT spike S1 protein (orb1231589), but not Gamma variant spike S1 protein.

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ELISA Validation of Spike 26P Antibodies with Mutant and WT Peptide. Coating Antigen: SARS-CoV-2 spike S1 peptides: WT (orb1231703) and Gamma variant (P.1) (orb1231659), 1 µg/mL, incubated at 4°C overnight. Detection Antibodies: SARS-CoV-2 26P antibody, orb1238713, 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 26P antibody detects WT peptide (26P, orb1231703), but not Gamma variant spike S1 peptide (26S, orb1231659).

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