

Product Datasheet

SARS-CoV-2 Spike P681H Antibody (Alpha, Mu Variant) (orb1238673)

Catalog Number	orb1238673
Category	Antibodies
Description	SARS-CoV-2 Spike P681H Antibody (Alpha, Mu Variant)
Target	S
Clonality	Polyclonal
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Virus
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	SARS-CoV-2 (COVID-19) P681H Mutant Specific Spike antibody is supplied in PBS containing 0.02% sodium azide.
Purification	SARS-CoV-2 (COVID-19) Alpha Variant (B.1.1.7, UK) Spike P681H Antibody is Protein A purified.
Immunogen	Anti-SARS-CoV-2 (COVID-19) P681H Mutant Specific Spike P681H Antibody (orb1238673) was raised against a peptide corresponding to 12 amino acids near the center of SARS-CoV-2 UK variant (B.1.1.7) Spike protein. The immunogen is located within 650-700 amino acids of SARS-CoV-2 UK variant (B.1.1.7) Spike protein.
UniProt ID	P0DTC2
Tested applications	ELISA, WB

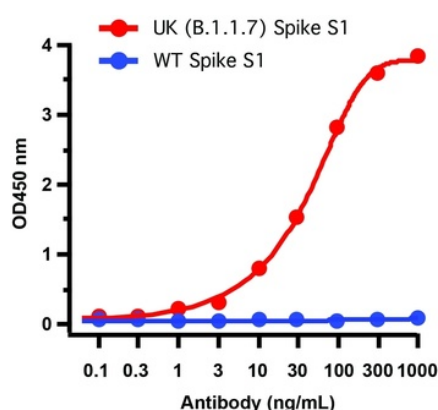
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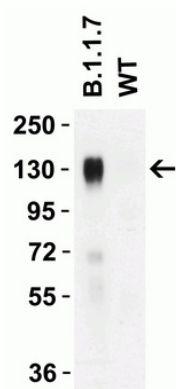
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Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	QHD43416



ELISA Validation of P681H Mutant Specific Spike Antibodies with SARS-CoV-2 UK Variant Spike S1 Protein. Coating Antigen: SARS-CoV-2 spike S1 proteins, including WT and UK variant (B.1.1.7), 1 µg/mL, incubate at 4 °C overnight. Detection Antibodies: SARS-CoV-2 UK Variant Spike antibody, orb1238673, dilution: 0.1-1000 ng/mL, incubate at RT for 1 hr. Secondary Antibodies: Goat anti-rabbit HRP at 1:20000, incubate at RT for 1 hr. SARS-CoV-2 P681H Mutant Specific Spike antibody (orb1238673) can specifically detect UK variant spike S1 protein, but not WT spike S1 protein (orb1231589).



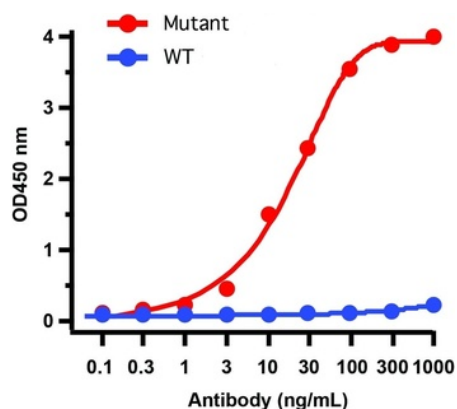
WB Validation of P681H Mutant Specific Spike Antibodies with SARS-CoV-2 UK Variant Spike S1 Protein. Loading: 50 ng of SARS-CoV-2 spike S1 proteins, including WT and UK variant (B.1.1.7). Detection Antibodies: SARS-CoV-2 P681H Mutant Specific Spike antibody, orb1238673, 1 µg/mL, incubate at RT for 1 hr. Secondary Antibodies: Goat anti-rabbit HRP at 1:20000, incubate at RT for 1 hr. SARS-CoV-2 P681H Mutant Specific Spike antibody (orb1238673) can specifically detect UK variant spike S1 protein, but not WT spike S1 protein (orb1231589).

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ELISA Validation of P681H Mutant Specific Spike Antibodies with Mutant and WT Peptide. Coating Antigen: SARS-CoV-2 spike S1 peptides, including WT and UK variant (B.1.1.7), 1 µg/mL, incubate at 4 °C overnight. Detection Antibodies: SARS-CoV-2 P681H Mutant Specific Spike antibody, orb1239981, dilution: 0.1-1000 ng/mL, incubate at RT for 1 hr. Secondary Antibodies: Goat anti-rabbit HRP at 1:20000, incubate at RT for 1 hr. Immunogen region of antibody orb1239981 includes site 681P that was mutated in B.1.1.7. SARS-CoV-2 P681H Mutant Specific Spike antibody (orb1238673) can specifically detect UK variant spike S1 peptide (681H), but not WT peptide (681P).

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