

## Product Datasheet

# SARS-CoV-2 (COVID-19) Spike 681P Antibody [8G10C8] (orb1239046)

<b>Catalog Number</b>	orb1239046
<b>Category</b>	Antibodies
<b>Description</b>	SARS-CoV-2 (COVID-19) Spike 681P Antibody [8G10C8]
<b>Target</b>	S
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG3
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Virus
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Buffer/Preservatives</b>	Anti-SARS-CoV-2 Spike 681P antibody is supplied in PBS containing 0.02% sodium azide.
<b>Purification</b>	SARS-CoV-2 Spike 681P antibody is Protein A purified.
<b>Immunogen</b>	Anti-SARS-CoV-2 (COVID-19) Spike 681P antibody (orb1239046) 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.
<b>UniProt ID</b>	<b>PODTC2</b>

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7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

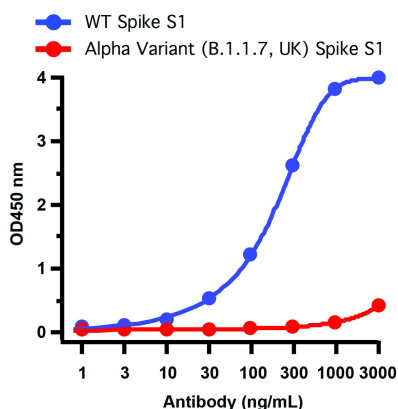
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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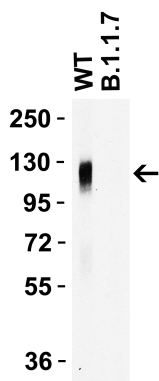
68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

<b>Tested applications</b>	ELISA, WB
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	8G10C8
<b>Modifications</b>	None
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>NCBI</b>	<b>QHD43416</b>
<b>Expiration Date</b>	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, orb1239046, 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 (orb1239046) 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, orb1239046, 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 (orb1239046) detected WT spike S1 protein (orb1231589), but not alpha variant spike S1 protein by WB.

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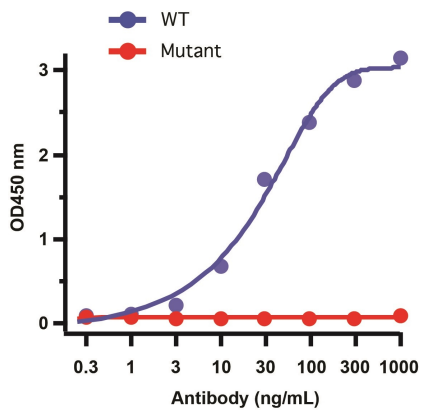
7 Signet Court, Swann Road  
Cambridge  
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United Kingdom

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Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

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68 TW Alexander Drive  
Research Triangle Park  
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United States

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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, orb1239046, 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 (orb1239046) detected WT peptide (681P, orb1231701), but not alpha variant spike S1 peptide (681H, orb1231664).

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

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