

# Product Datasheet

## **SARS-CoV-2 Spike Antibody (5G12G11) - Gamma Variant, P.1, Brazil - BSA Free NBP3-12856**

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-12856**

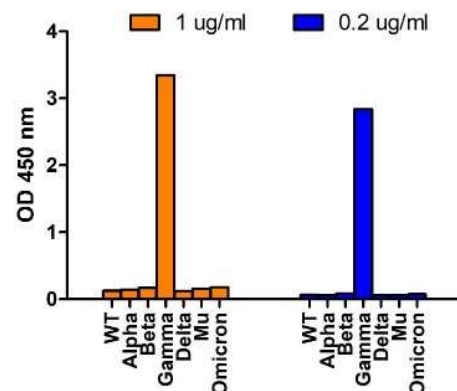
SARS-CoV-2 Spike Antibody (5G12G11) - Gamma Variant, P.1, Brazil - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	5G12G11
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	43740568
<b>Gene Symbol</b>	S
<b>Species</b>	SARS-CoV-2
<b>Specificity/Sensitivity</b>	Antibody can only detect SARS-CoV-2 Gamma Variant (P.1) Spike S1 protein and does not cross-react with the spike protein of other variants.
<b>Immunogen</b>	Anti-SARS-CoV-2 Spike P26S (Gamma Variant) antibody was raised against a peptide corresponding to 11 amino acids near the amino terminus of SARS-CoV-2 Gamma variant (P.1) Spike protein. The immunogen is located within the first 50 amino acids of SARS-CoV-2 Gamma variant (P.1) Spike protein.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA
<b>Recommended Dilutions</b>	Western Blot 1 ug/mL, ELISA
<b>Application Notes</b>	Antibody validated: Western Blot in human samples. Anti-SARS-CoV-2 Spike P26S (Gamma Variant) antibody specifically detects SARS-CoV-2 Gamma Variant (P.1) Spike S1 protein, but not SARS-CoV-2 WT and other variant Spike S1 protein by ELISA. All other applications and species not yet tested.

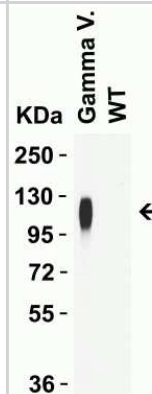


## Images

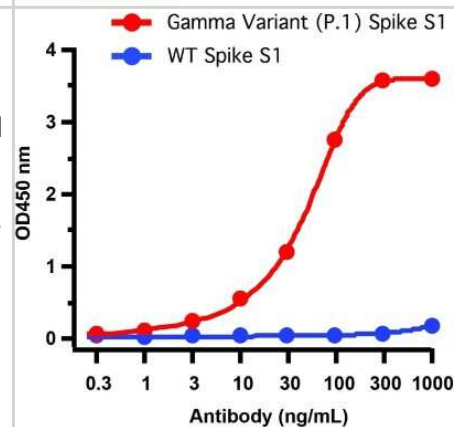
ELISA: SARS-CoV-2 Spike Antibody (5G12G11) - Gamma Variant, P.1, Brazil [NBP3-12856] - SARS-Cov-2 Spike P26S (Gamma Variant) Antibodies Specifically Detect Gamma Variant Spike S1 Protein in an ELISA. Coating Antigen: SARS-CoV-2 spike S1 proteins WT, alpha variant (B.1.1.7), beta variant (B.1.351), gamma variant (P.1), delta variant (B.1.617.2), mu variant (B.1.621), and omicron variant (B.1.1.529), 1 ug/mL, incubated at 4 C overnight. Detection Antibodies: SARS-CoV-2 Spike P26S (Gamma Variant) antibody, dilution: 200 and 1000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubated at RT for 1 hr.



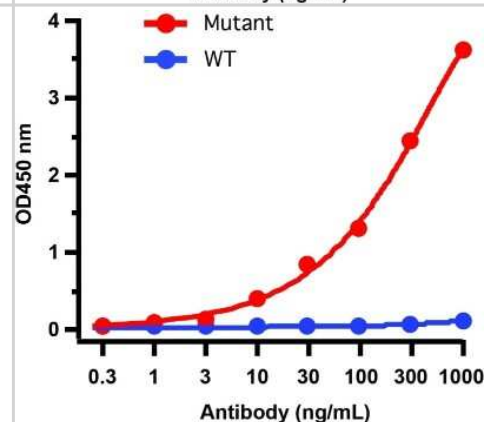
Western Blot: SARS-CoV-2 Spike Antibody (5G12G11) - Gamma Variant, P.1, Brazil [NBP3-12856] - WB Validation of Gamma Variant Spike S1 Antibodies with SARS-CoV-2 Gamma Variant Spike S1 Protein. Loading: 50 ng of SARS-CoV-2 spike S1 proteins, including WT and Gamma variant (P.1). Detection Antibodies: Spike P26S (Gamma Variant) antibody, NBP3-12856, 1 ug/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubated at RT for 1 hr. SARS-CoV-2 Spike P26S (Gamma Variant) antibody specifically detects Gamma variant spike S1 protein, but not WT spike S1 protein.



ELISA: SARS-CoV-2 Spike Antibody (5G12G11) - Gamma Variant, P.1, Brazil [NBP3-12856] - ELISA Validation of Gamma Variant Spike S1 Antibodies with SARS-CoV-2 Gamma Variant Spike S1 Protein. Coating Antigen: SARS-CoV-2 spike S1 proteins WT and Gamma variant (P.1), 1 ug/mL, incubated at 4 C overnight. Detection Antibodies: SARS-CoV-2 Spike P26S (Gamma Variant) antibody, NBP3-12856, dilution: 0.3-1000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubated at RT for 1 hr. SARS-CoV-2 Spike P26S (Gamma Variant) antibody specifically detects Gamma variant spike S1 protein, but not WT spike S1 protein.



ELISA: SARS-CoV-2 Spike Antibody (5G12G11) - Gamma Variant, P.1, Brazil [NBP3-12856] - ELISA Validation of Gamma Variant Spike S1 Antibodies with Mutant and WT Peptide. Coating Antigen: SARS-CoV-2 spike S1 peptides: WT and Gamma variant (P.1), 1 ug/mL, incubated at 4 C overnight. Detection Antibodies: SARS-CoV-2 26P antibody, NBP3-12856, dilution: 0.3-1000 ng/mL, incubated at RT for 1 hr. Secondary Antibodies: Goat anti-mouse HRP at 1:5,000, incubated at RT for 1 hr. SARS-CoV-2 Spike P26S (Gamma Variant) antibody detects Gamma variant spike S1 peptide (26S), but not WT peptide (26P).





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### **Products Related to NBP3-12856**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP3-14666-100ug	SARS-CoV-2 Spike Recombinant Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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