

Product Datasheet

SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India - BSA Free NBP3-14793

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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NBP3-14793

SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7E3C5
Preservative	0.02% Sodium Azide
Isotype	IgG2
Purity	Protein G purified
Buffer	PBS

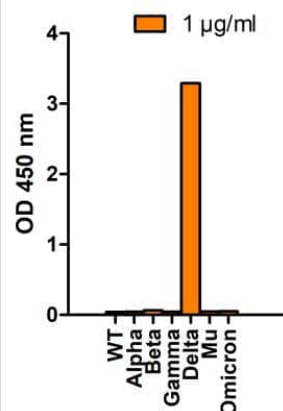
Product Description	
Description	Novus Biologicals Mouse SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India - BSA Free (NBP3-14793) is a monoclonal antibody validated for use in IHC and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	43740568
Gene Symbol	S
Species	SARS-CoV-2
Specificity/Sensitivity	The antibody can only detect SARS-CoV-2 Delta Variant Spike S1 protein and does not cross-react with the spike protein of other variants.
Immunogen	Antibody was raised against a peptide corresponding to 12 amino acids near the cleavage site of SARS-CoV-2 Delta variant Spike protein. The immunogen is located within 650-700 amino acids of SARS-CoV-2 Delta variant Spike protein.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	ELISA, Immunohistochemistry 20 ug/mL, Immunohistochemistry-Paraffin

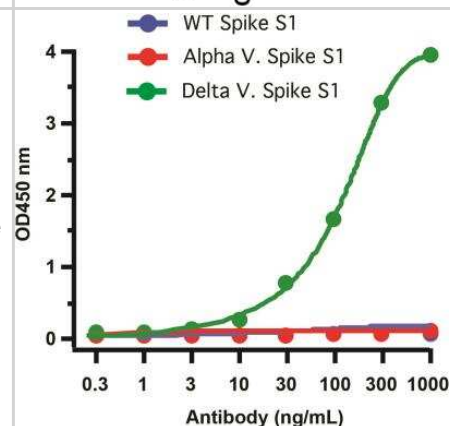


Images

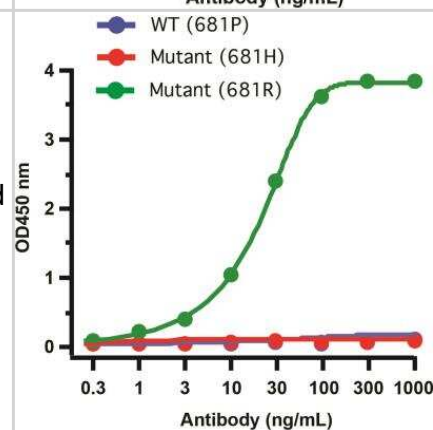
ELISA: SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India [NBP3-14793] - SARS-Cov-2 Spike P681R (Delta Variant) Antibodies Specifically Detect Delta Variant Spike S1 Protein in an ELISA. Coating Antigen: SARS-CoV-2 spike S1 proteins WT, alpha variant (B.1.1.7), beta variant (B.1.351), 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 4C overnight. Detection Antibodies: SARS-CoV-2 Spike P681R (Delta Variant) antibody, NBP3-14793, 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.



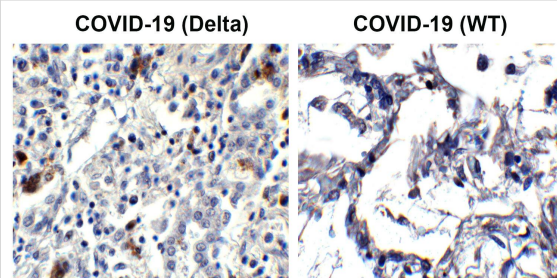
ELISA: SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India [NBP3-14793] - ELISA Validation of Delta Variant Spike S1 Antibodies with SARS-CoV-2 Delta Variant Spike S1 Protein. Coating Antigen: SARS-CoV-2 spike S1 proteins, WT, Alpha and Delta variants, 1 ug/mL, incubated at 4C overnight. Detection Antibodies: SARS-CoV-2 Spike P681R (Delta Variant) antibody, NBP3-14793, 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 P681R (Delta Variant) antibody specifically detects spike S1 protein of Delta variant, but not WT and Alpha variant.



ELISA: SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India [NBP3-14793] - ELISA Validation of Delta Variant Spike S1 Antibodies with Mutant and WT Peptide. Coating Antigen: SARS-CoV-2 spike S1 peptides: WT, Alpha variant, and Delta variant, 1 ug/mL, incubated at 4C overnight. Detection Antibodies: SARS-CoV-2 delta spike P681R antibody, NBP3-14793, 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 P681R (Delta Variant) antibody detects Delta variant spike S1 peptide (681R), but not WT peptide (681P) and Alpha variant spike S1 peptide (681H).



Immunohistochemistry: SARS-CoV-2 Spike Antibody (7E3C5) - Delta Variant, B.1.617.2, India - BSA Free [NBP3-14793] - Validation of Spike in Delta Variant COVID-19 Patient Lung Tissue. Immunohistochemical analysis of paraffin-embedded patient lung tissue using anti-Spike P681R antibody at 20 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin. **Strong spike protein signal was observed in the Delta variant COVID-19 patient lung, but not in WT COVID-19 patient lung.**





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Products Related to NBP3-14793

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP3-14666-100ug	SARS-CoV-2 Spike Recombinant Protein
10549-CV-100	SARS-CoV-2 Spike [Unconjugated]

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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