

Product Datasheet

SARS-CoV-2 Spike RBD Antibody (T5P4-A12) - VHH - Azide and BSA Free NBP3-12844

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP3-12844

SARS-CoV-2 Spike RBD Antibody (T5P4-A12) - VHH - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	T5P4-A12
Preservative	No Preservative
Purity	Affinity purified
Buffer	PBS

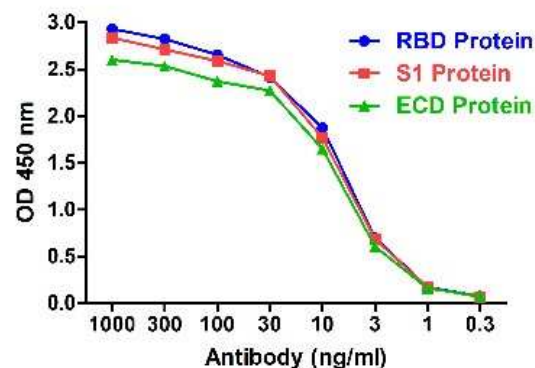
Product Description	
Description	Recombinant Monoclonal Antibody - Llamabody(TM). Llama VHH domain containing a Myc-tag for detection and His-tag (MW ~ 15kDa)
Host	Llama
Gene ID	43740568
Gene Symbol	S
Species	SARS-CoV-2
Immunogen	SARS-CoV-2 S protein RBD containing C-terminal His Tag. The protein was expressed in human 293 cells (HEK293). It contains amino acids Arg 319 - Lys 537.

Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA

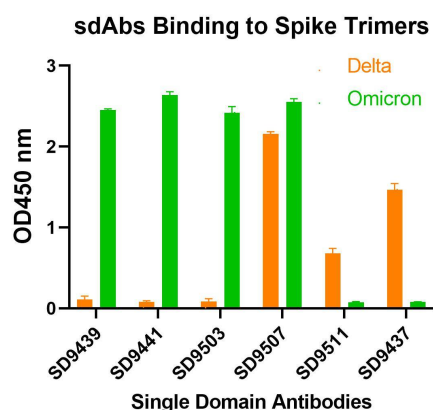


Images

ELISA: SARS-CoV-2 Spike RBD Antibody (T5P4-A12) - VHH [NBP3-12844] - A direct ELISA was performed using SARS-CoV-2 Spike recombinant proteins (RBD, S1, ECD) as coating antigen at 1 ug/mL and the anti-SARS-CoV-2 Spike RBD antibody (NBP3-12844) as the capture antibody, following by anti-cMyc-tag antibody at 1 ug/mL. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5000 dilution. Detection range is from 0.3 ng/mL to 1000 ng/mL. SARS-CoV-2 Spike RBD Antibody, NBP3-12844 can detect spike RBD, S1 and ECD proteins at 2 ng/mL.



ELISA: SARS-CoV-2 Spike RBD Antibody (T5P4-A12) - VHH - Azide and BSA Free [NBP3-12844] - Validation with SARS-CoV-2 (COVID-19) Spike Trimer Proteins of Omicron and Delta Variants. Antibodies: SARS-CoV-2 Spike RBD Antibodies. A direct ELISA was performed using SARS-CoV-2 Spike Trimer recombinant proteins of Omicron and Delta variants as coating antigen at 1 ug/mL and each of the 6 anti-SARS-CoV-2 Spike RBD antibodies as the capture antibody, following by anti-cMyc-tag antibody at 1 ug/mL. Secondary: Goat anti-mouse IgG HRP conjugate at 1:5,000 dilution. Detection range is from 0.3 ng/mL to 1000 ng/mL. , SD9441, and SD9503 bind spike proteins of omicron variant, but not delta variant; SD9511 and SD9437 bind spike proteins of delta variant, but not omicron variant; SD9507 binds spike proteins of delta and omicron variants.





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Products Related to NBP3-12844

AF011-500	Goat anti-Llama IgG Secondary Antibody [Unconjugated]
NB7240	Goat anti- Alpaca, Llama IgG (H+L) Secondary Antibody
NBP3-11407	SARS-CoV-2 Spike RBD ELISA Kit (Colorimetric)

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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