

# Product Datasheet

## **SARS-CoV-2 Spike RBD Antibody (T4P5-H12) - VHH - Azide and BSA Free NBP3-12848**

Unit Size: 0.1 mg

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

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**NBP3-12848**

SARS-CoV-2 Spike RBD Antibody (T4P5-H12) - VHH - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	T4P5-H12
<b>Preservative</b>	No Preservative
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS

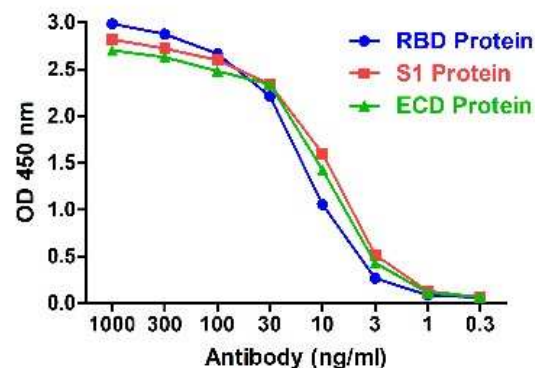
<b>Product Description</b>	
<b>Description</b>	Recombinant Monoclonal Antibody - Llamabody(TM). Llama VHH domain containing a Myc-tag for detection and His-tag (MW ~ 15kDa)
<b>Host</b>	Llama
<b>Gene ID</b>	43740568
<b>Gene Symbol</b>	S
<b>Species</b>	SARS-CoV-2
<b>Immunogen</b>	SARS-CoV-2 S protein RBD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

<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

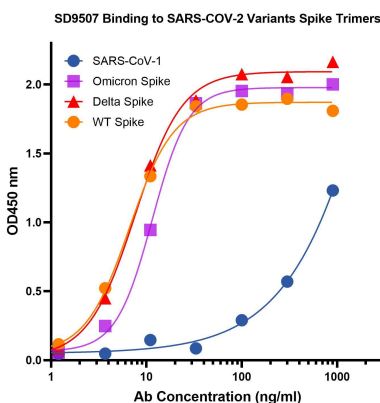


## Images

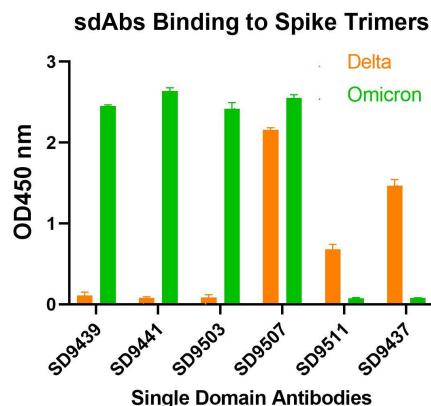
ELISA: SARS-CoV-2 Spike RBD Antibody (T4P5-H12) - VHH [NBP3-12848] - A direct ELISA was performed using SARS-CoV-2 Spike recombinant proteins (RBD, S1, ECD) as coating antigen at 1 ug/mL and the anti-SARS-CoV-2 Spike RBD antibody (NBP3-12848) as the capture antibody, following by anti-cMyc-tag antibody 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, NBP3-12848 can detect spike RBD, S1 and ECD proteins at 2 ng/mL.



ELISA: SARS-CoV-2 Spike RBD Antibody (T4P5-H12) - VHH - Azide and BSA Free [NBP3-12848] - Validation with SARS-CoV-2 (COVID-19) Spike Trimer Proteins. Antibodies: SARS-CoV-2 (COVID-19) Spike S1 RBD Antibody, . A direct ELISA was performed using SARS-CoV-2 Spike trimer recombinant proteins of WT, Omicron and Delta variants as coating antigen at 1 ug/mL and the anti-SARS-CoV-2 (COVID-19) Spike S1 RBD antibody 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 0.4 ng/mL to 900 ng/mL. SARS-CoV-2 (COVID-19) Spike S1 RBD Antibody, can detect spike trimer protein at 1.5 ng/mL.



ELISA: SARS-CoV-2 Spike RBD Antibody (T4P5-H12) - VHH - Azide and BSA Free [NBP3-12848] - 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. SD9439, 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; binds spike proteins of delta and omicron variants.





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### **Products Related to NBP3-12848**

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AF011-500	Goat anti-Llama IgG Secondary Antibody [Unconjugated]
NB7242	Goat anti-Llama IgG (H+L) Secondary Antibody [HRP]
NBP3-11407	SARS-CoV-2 Spike RBD ELISA Kit (Colorimetric)

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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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