

# Product Datasheet

## **SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free** **NBP3-25672**

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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**NBP3-25672****SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<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>	HL1867
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

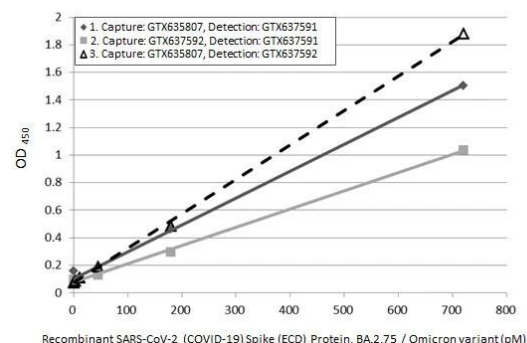
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free (NBP3-25672) is a recombinant monoclonal antibody validated for use in ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	43740568
<b>Gene Symbol</b>	S
<b>Species</b>	SARS-CoV-2
<b>Specificity/Sensitivity</b>	This antibody is able to detect multiple SARS-CoV-2 Omicron variants, including BA.2, BA.4, and BA.5. Our internal testing indicates no cross-reactivity with Alpha, Beta, Gamma, Delta, and Omicron BA.1 variants.
<b>Immunogen</b>	Full length SARS-coV-2 RBD recombinant protein.

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Functional (Inhibition), Immunocytochemistry/ Immunofluorescence, Sandwich ELISA
<b>Recommended Dilutions</b>	ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Functional (Inhibition)

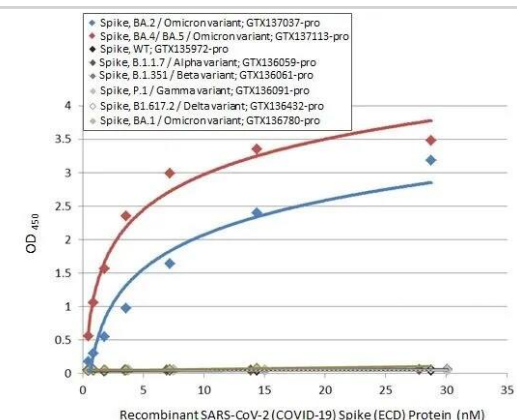


## Images

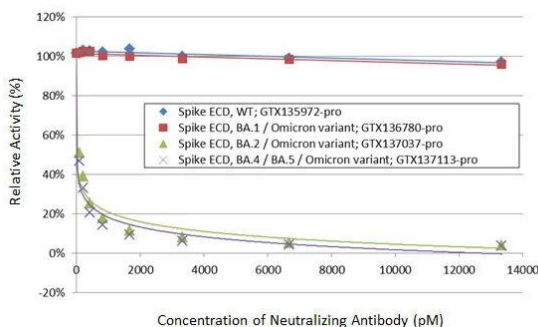
**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag using ELISA pairs below. Pair 1: Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (5 ug/mL) Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (NBP3-25671) (1 ug/mL) Pair 2: Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (5 ug/mL) Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1866] (NBP3-25671) (1 ug/mL) Pair 3: Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (5 ug/mL) Detection: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (1 ug/mL) Please notice that NBP3-25671 and NBP3-25672 needs to be conjugated to HRP to function as the detection antibody when paired with HL1014 and NBP3-25672. Please contact us for custom HRP-conjugated antibody.**



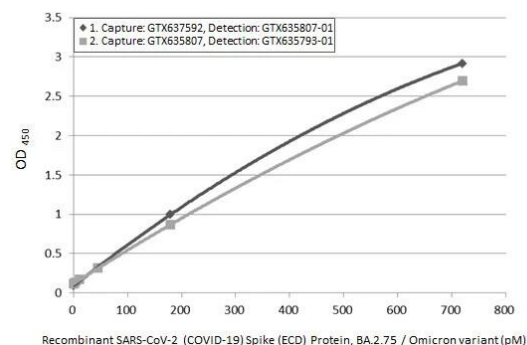
**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Indirect ELISA analysis was performed by coating the plate with recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; B.1.1.7 Alpha variant; B.1.351 Beta variant; P.1 Gamma variant; B1.617.2 Delta variant; BA.1 Omicron variant; BA.2 Omicron variant; BA.4/BA.5 Omicron variant) (28.78-0.45 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (1 ug/mL). Goat anti-rabbit IgG antibody (HRP) (1:10000) was used to detect the bound primary antibody.**



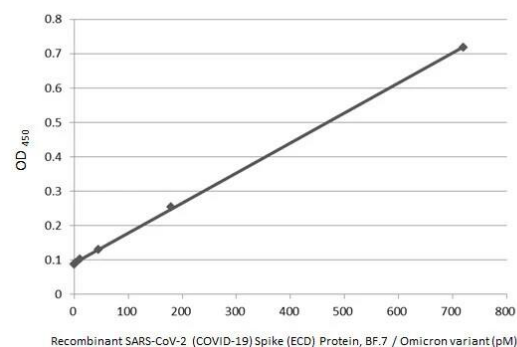
**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Inhibition analysis of SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (104-13333 pM) using SARS-CoV-2 Neutralizing Antibody ELISA Kit (Omicron BA.1 / BA.2 / BA.4 / BA.5).**



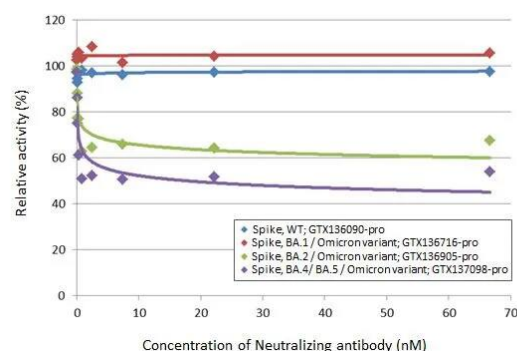
**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Sandwich ELISA detection of SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag using ELISA pairs below. Pair 1: Capture: SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (5 ug/mL) Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (HRP) (HL1014-01) (1 ug/mL) Pair 2: Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (5 ug/mL) Detection: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1004] (HRP) (1 ug/mL)**



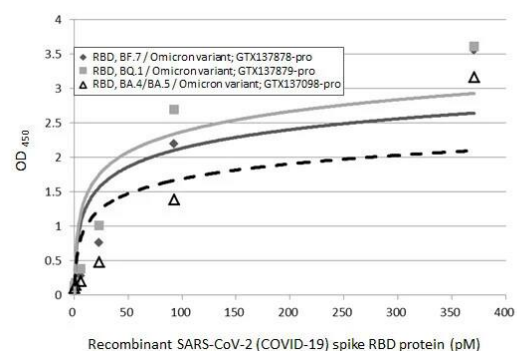
ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Sandwich ELISA detection of recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BF.7 variant, His tag using antibodies as below. Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (5 ug/mL) Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (1 ug/mL) Please notice that NBP3-25672 needs to be conjugated to HRP to function as the detection antibody when paired with HL1014. Please contact us for custom HRP-conjugated antibody.



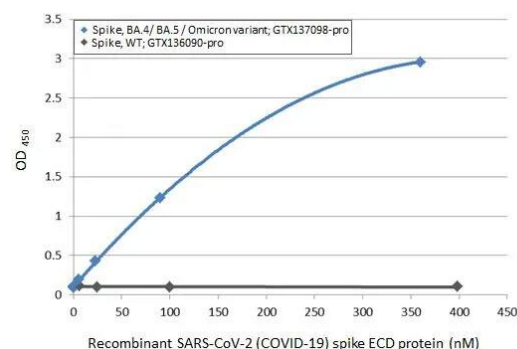
Functional (Inhibition): SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Inhibition analysis of immobilized recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.1 Omicron variant; BA.2 Omicron variant; BA.4/BA.5 Omicron variant) (coated at 2 ug/mL) binding to soluble recombinant Human ACE2 (ECD) protein, mouse IgG Fc tag (active) (1000 ng/mL) binding was inhibited by increasing concentrations of SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (0.09-66.67 nM). Bound was detected by Goat Anti-Mouse IgG antibody (HRP) (1:10000).



ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., BA.4/BA.5 Omicron variant; BF.7 Omicron variant; BQ.1 Omicron variant) using antibodies as below. Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (5 ug/mL) Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (1 ug/mL) Please notice that NBP3-25672 needs to be conjugated to HRP to function as the detection antibody when paired with HL1014. Please contact us for custom HRP-conjugated antibody.

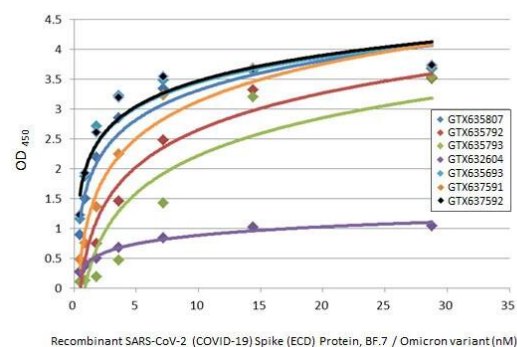


ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Sandwich ELISA detection of recombinant Spike RBD Protein(s) derived from different strains of SARS-CoV-2 virus (ie., Wild type; BA.4/BA.5 Omicron variant) using antibodies as below. Capture: SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (5 ug/mL) Detection: HRP-conjugated SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (1 ug/mL) Please notice that NBP3-25672 needs to be conjugated to HRP to function as the detection antibody when paired with HL1014. Please contact us for custom HRP-conjugated antibody.

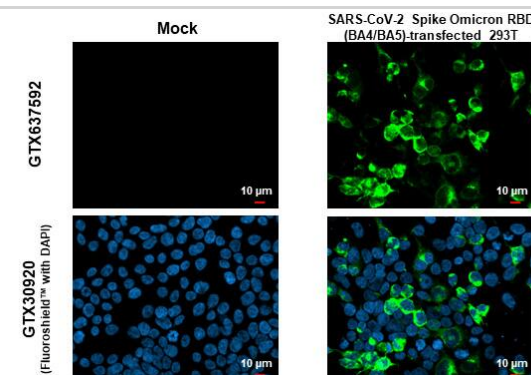




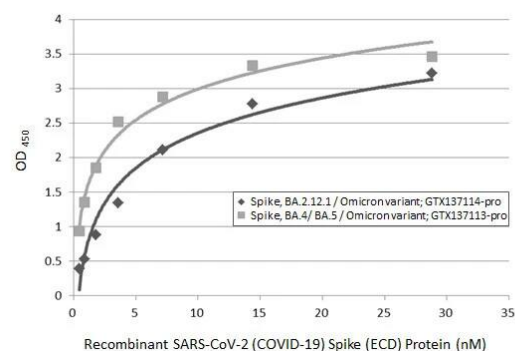
**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BF.7 variant, His tag (28.78-0.45 nM). Coated protein was probed with the specified SARS-CoV-2 (COVID-19) Spike antibodies (1 ug/mL). Goat anti-rabbit IgG antibody (HRP) (1:10000) or goat anti-mouse IgG antibody (HRP) (1:10000) was used to detect the bound primary antibody.**



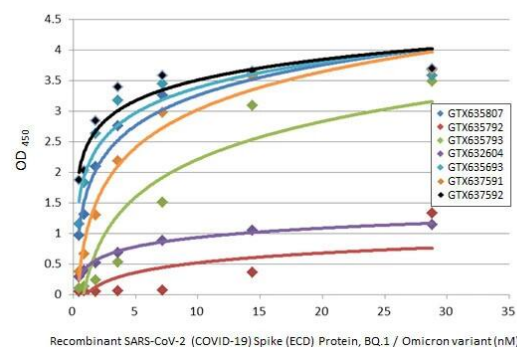
**Immunocytochemistry/Immunofluorescence: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] detects SARS-CoV-2 (COVID-19) Spike RBD Omicron protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: SARS-CoV-2 (COVID-19) Spike RBD Omicron stained by SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) diluted at 1:500. Blue: Fluoroshield with DAPI.**



**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Indirect ELISA analysis was performed by coating the plate with recombinant Spike ECD protein(s) derived from different strains of SARS-CoV-2 virus (ie., BA.2.12.1 Omicron variant; BA.4/BA.5 Omicron variant) (28.78-0.45 nM). Coated protein was probed with SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (NBP3-25672) (1 ug/mL). Goat anti-rabbit IgG antibody (HRP) (1:10000) was used to detect the bound primary antibody.**



**ELISA: SARS-CoV-2 Spike RBD Antibody (HL1867) - Omicron Variant - Azide and BSA Free [NBP3-25672] - Indirect ELISA analysis was performed by coating the plate with recombinant SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BQ.1 variant, His tag (28.78-0.45 nM). Coated protein was probed with the specified SARS-CoV-2 (COVID-19) Spike antibodies (1 ug/mL). Goat anti-rabbit IgG antibody (HRP) (1:10000) or goat anti-mouse IgG antibody (HRP) (1:10000) was used to detect the bound primary antibody.**





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General: novus@novusbio.com

### **Products Related to NBP3-25672**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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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