

# Product Datasheet

## Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free NBP3-25628

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 7/31/2025 v.20.1

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**NBP3-25628****Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free**

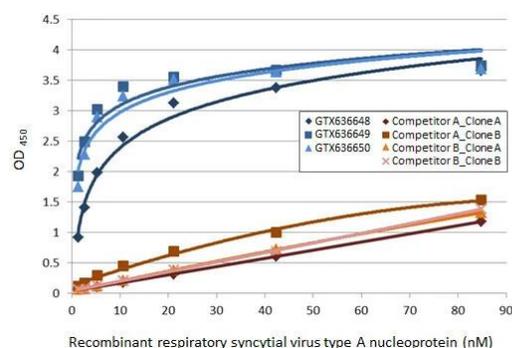
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	HL1248
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Species</b>	Virus
<b>Reactivity Notes</b>	Respiratory Syncytial Virus
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the C-terminus region of Respiratory Syncytial Virus Nucleoprotein. The exact sequence is proprietary.

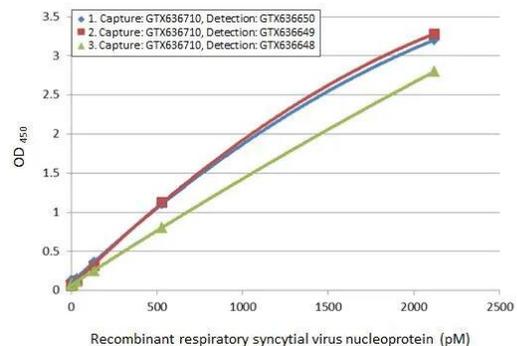
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Sandwich ELISA, Lateral Flow Assay
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Sandwich ELISA, Lateral Flow Assay

**Images**

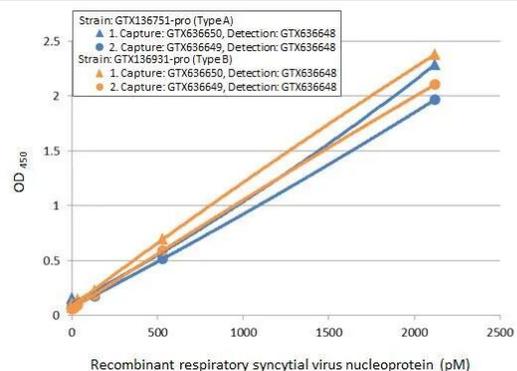
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Indirect ELISA analysis was performed by coating the plate with recombinant Respiratory syncytial virus type A Nucleoprotein, DDDDK tag (84.76-1.32 nM). Coated protein was probed with the specified respiratory syncytial virus nucleoprotein antibodies (1 ug/mL). Goat anti-rabbit IgG antibody (HRP) (1:10000) or goat anti-mouse IgG antibody (HRP) (1:10000) were used to detect the bound primary antibodies.



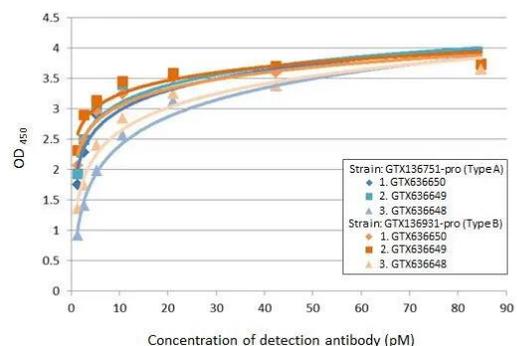
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Sandwich ELISA detection of recombinant HEK293 expressed, full-length respiratory syncytial virus type A nucleoprotein, DDDDK tag using ELISA pairs below. The amount of capture and detection antibodies are 5 and 1 ug/mL, respectively. Pair 1: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1296] (NBP3-25479) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) conjugated with HRP Pair 2: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1296] (NBP3-25479) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1247] (NBP3-25627) conjugated with HRP Pair 3: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1296] (NBP3-25479) Detection: Respiratory Syncytial virus type A Nucleoprotein antibody [HL1246] (NBP3-25626) conjugated with HRP Please notice that detection antibodies need to be conjugated to HRP to function when paired with capture one. Please contact us for custom HRP-conjugated antibody.



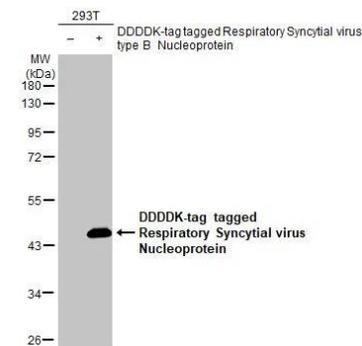
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Sandwich ELISA of recombinant nucleoproteins (NP) derived from different strains of respiratory syncytial virus (i.e., type A; type B) using ELISA pairs below. Pair 1: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) (5 ug/mL) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1246] (NBP3-25626) conjugated with HRP (1 ug/mL) Pair 2: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1247] (NBP3-25627) (5 ug/mL) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1246] (NBP3-25626) conjugated with HRP (1 ug/mL) Please notice that detection antibodies need to be conjugated to HRP to function when paired with capture one. Please contact us for custom HRP-conjugated antibody.



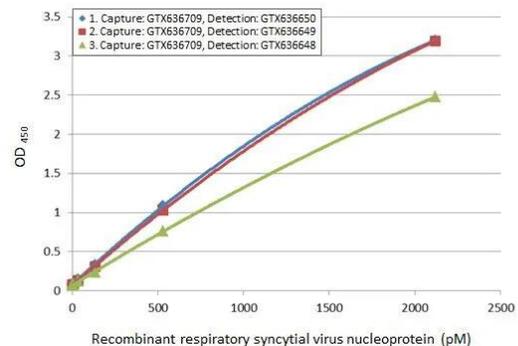
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Indirect ELISA analysis performed by coating plate with recombinant nucleoproteins (NP) derived from different strains of respiratory syncytial virus (i.e., type A; type B) (84.76-1.32 nM). Coated protein was probed with Respiratory Syncytial virus Nucleoprotein antibodies (1 ug/mL) below. Goat anti-rabbit IgG antibody (HRP) (1:10000) was used to detect bound primary antibody. Antibodies: 1. Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) 2. Respiratory Syncytial virus Nucleoprotein antibody [HL1247] (NBP3-25627) 3. Respiratory Syncytial virus type A Nucleoprotein antibody [HL1246] (NBP3-25626)



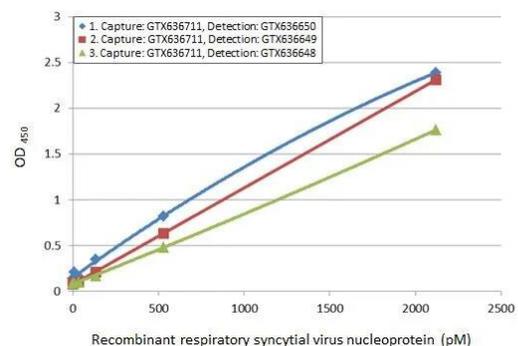
Western Blot: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



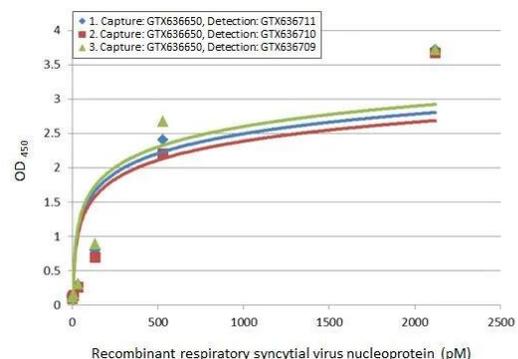
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Sandwich ELISA detection of recombinant HEK293 expressed, full-length respiratory syncytial virus type A nucleoprotein, DDDDK tag using ELISA pairs below. The amount of capture and detection antibodies are 5 and 1 ug/mL, respectively. Pair 1: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1295] (NBP3-25630) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) conjugated with HRP Pair 2: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1295] (NBP3-25630) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1247] (NBP3-25627) conjugated with HRP Pair 3: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1295] (NBP3-25630) Detection: Respiratory Syncytial virus type A Nucleoprotein antibody [HL1246] (NBP3-25626) conjugated with HRP Please notice that detection antibodies need to be conjugated to HRP to function when paired with capture one. Please contact us for custom HRP-conjugated antibody.



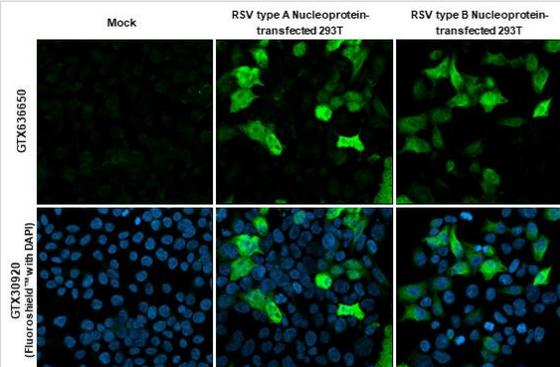
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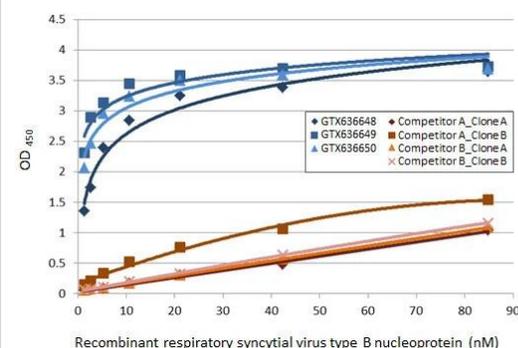
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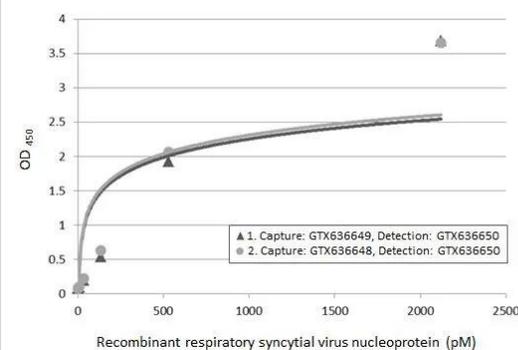
Immunocytochemistry/Immunofluorescence: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Respiratory Syncytial virus Nucleoprotein antibody [HL1248] detects Respiratory Syncytial virus Nucleoprotein protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Respiratory Syncytial virus Nucleoprotein stained by Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) diluted at 1:500. Blue: Fluoroshield with DAPI .



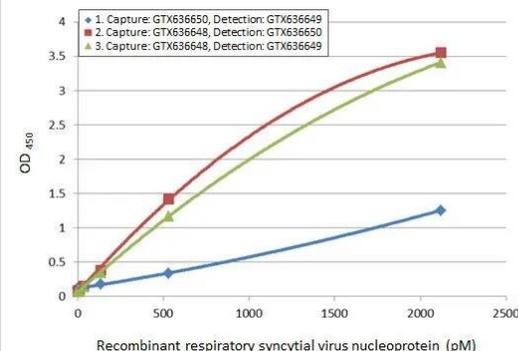
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Indirect ELISA analysis was performed by coating the plate with recombinant Respiratory Syncytial virus type B Nucleoprotein, DDDDK tag (84.76-1.32 nM). Coated protein was probed with the specified respiratory syncytial virus nucleoprotein antibodies (1 ug/mL). Goat anti-rabbit IgG antibody (HRP) (1:10000) or goat anti-mouse IgG antibody (HRP) (1:10000) were used to detect the bound primary antibodies.



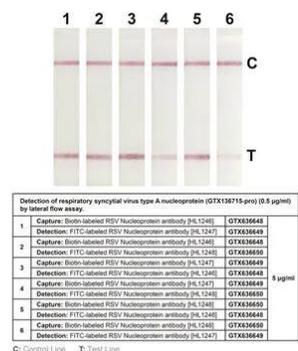
ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Sandwich ELISA detection of recombinant HEK293 expressed, full-length respiratory syncytial virus type A nucleoprotein, DDDDK tag using ELISA pairs below. Pair 1: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1247] (NBP3-25627) (5 ug/mL) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) conjugated with HRP (1 ug/mL) Pair 2: Capture: Respiratory Syncytial virus Nucleoprotein antibody [HL1246] (NBP3-25626) (5 ug/mL) Detection: Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) conjugated with HRP (1 ug/mL) Please notice that detection antibodies need to be conjugated to HRP to function when paired with capture one. Please contact us for custom HRP-conjugated antibody.



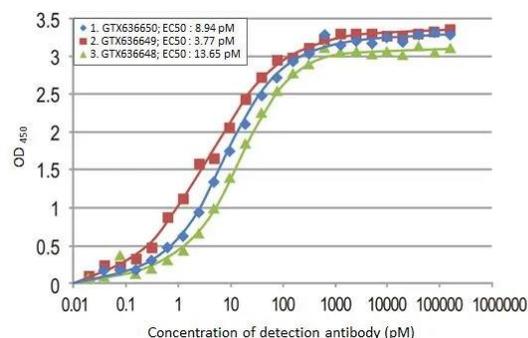
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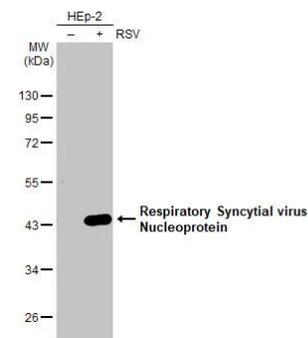
**Lateral Flow Assay: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Detection of respiratory syncytial virus type A nucleoprotein (0.5 ug/ml) by lateral flow assay using the recombinant rabbit monoclonal antibody pair.**



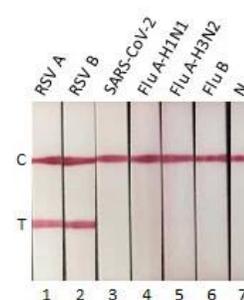
**ELISA: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Indirect ELISA analysis performed by coating plate with recombinant E.coli expressed, C-terminal respiratory syncytial virus type A nucleoprotein (50 ng). Coated protein was probed with Respiratory Syncytial virus Nucleoprotein antibodies (160000-1.9\*10<sup>-2</sup> pM) below. Goat anti-rabbit IgG antibody (HRP) (1:10000) was used to detect bound primary antibody. Antibodies: 1. Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) 2. Respiratory Syncytial virus Nucleoprotein antibody [HL1247] (NBP3-25627) 3. Respiratory Syncytial virus type A Nucleoprotein antibody [HL1246] (NBP3-25626)**



**Western Blot: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Non-infected (-) and infected (+) HEp-2 whole cell extracts were separated by 10% SDS-PAGE, and the membrane was blotted with Respiratory Syncytial virus Nucleoprotein antibody [HL1248] (NBP3-25628) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.**



**Lateral Flow Assay: Respiratory Syncytial Virus Nucleoprotein Antibody (HL1248) - Azide and BSA Free [NBP3-25628] - Detection of Respiratory Syncytial virus Nucleoprotein by lateral flow assay using the monoclonal antibody pair. Capture: Respiratory Syncytial virus Nucleoprotein antibody (NBP3-25628) [HL1248] Detection: Respiratory Syncytial virus Nucleoprotein antibody (NBP3-25626) [HL1246] Samples (25 ng) : 1. RSV type A Nucleoprotein 2. RSV type B Nucleoprotein 3. SARS-CoV-2 Nucleocapsid protein 4. FluA (H1N1) Nucleoprotein 5. FluA (H3N2) Nucleoprotein 6. FluB Nucleoprotein 7. Lysis buffer**





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General: novus@novusbio.com

### **Products Related to NBP3-25628**

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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

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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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