

# Product Datasheet

## Influenza B nucleoprotein Antibody (HL1073) - (B/Taiwan/753/2005) - Azide and BSA Free **NBP3-13713**

Unit Size: 100 ul

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

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**NBP3-13713**

Influenza B nucleoprotein Antibody (HL1073) - (B/Taiwan/753/2005) - Azide and BSA Free

**Product Information**

<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>	HL1073
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS

**Product Description**

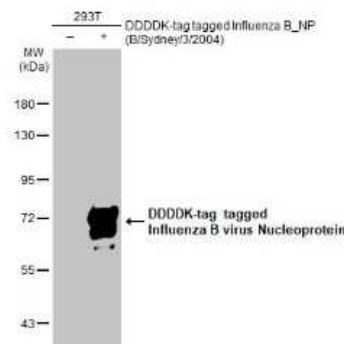
<b>Description</b>	Centrifuge briefly prior to opening.
<b>Host</b>	Rabbit
<b>Species</b>	Virus
<b>Reactivity Notes</b>	Influenza B virus
<b>Specificity/Sensitivity</b>	Influenza B Nucleoprotein (B/Taiwan/753/2005)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the C-terminus region of Influenza B nucleoprotein (B/Taiwan/753/2005). The exact sequence is proprietary.

**Product Application Details**

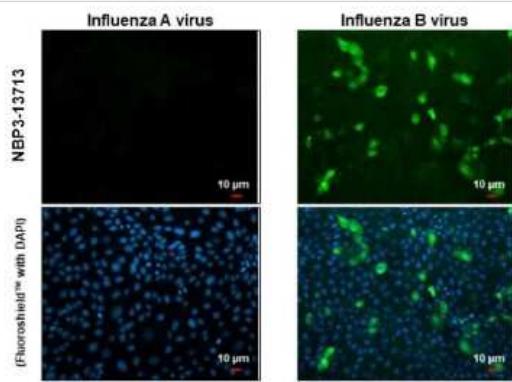
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Lateral Flow Assay
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Lateral Flow Assay

**Images**

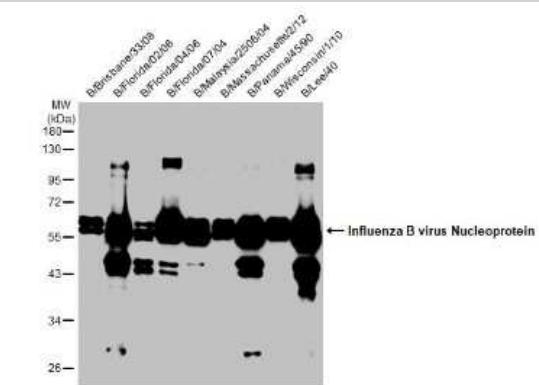
Western Blot: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) diluted at 1:50000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



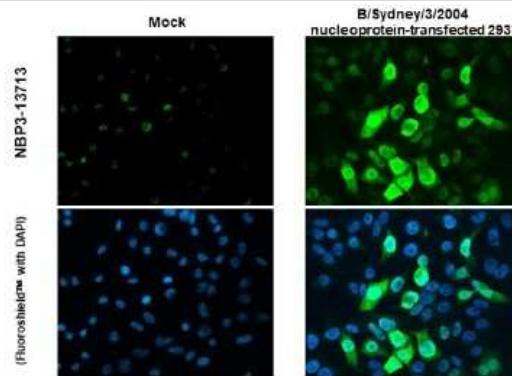
Immunocytochemistry/Immunofluorescence: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Immunofluorescent analysis of influenza virus infected cells using Influenza B Nucleoprotein antibody (NBP3-13713). Sample: Influenza A and B infected cells slide. Green: Influenza B Nucleoprotein antibody (NBP3-13713) diluted at 1:100.



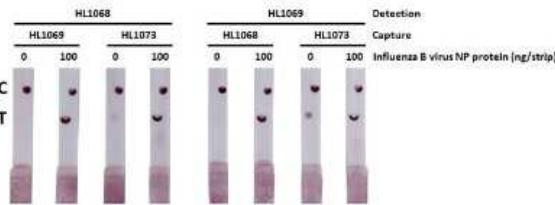
Western Blot: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Influenza B viral lysates (1 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



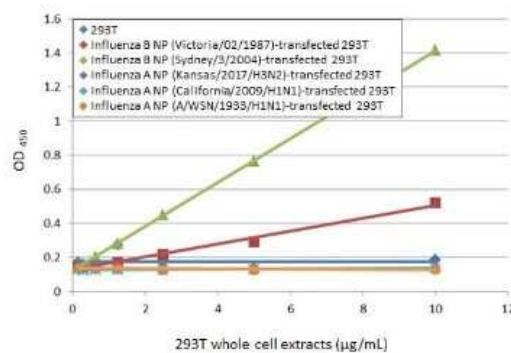
Immunocytochemistry/Immunofluorescence: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Influenza B Nucleoprotein antibody (NBP3-13709) detects overexpressed Influenza Nucleoprotein protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Influenza B Nucleoprotein stained by Influenza B Nucleoprotein antibody (NBP3-13709) diluted at 1:2000.



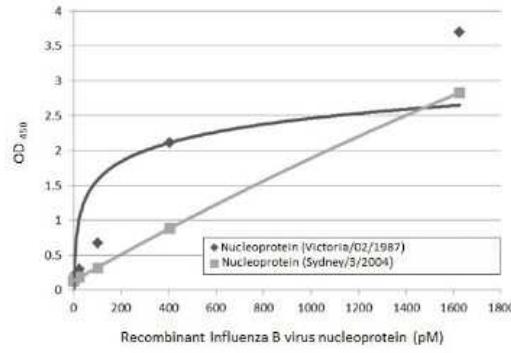
Lateral Flow Assay: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Detection of recombinant influenza B virus nucleoprotein (B/Sydney/3/2004), DDDDK Tag by lateral flow assay using the indicated recombinant rabbit monoclonal antibody pairs. HL1068 : Influenza B Nucleoprotein antibody [HL1068] (NBP3-13708) HL1069 : Influenza B Nucleoprotein antibody [HL1069] (NBP3-13709) HL1073 : Influenza B Virus Nucleoprotein antibody [HL1073] (NBP3-13713) Sample : Influenza B Virus Nucleoprotein (B/Sydney/3/2004), DDDDK Tag



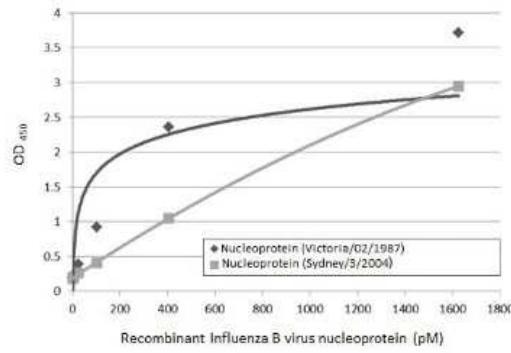
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) as capture antibody at concentration of 5  $\mu$ g/mL and HRP-conjugated Influenza B Nucleoprotein antibody [HL1068] (NBP3-13708) as detection antibody at concentration of 1  $\mu$ g/mL. Please notice that NBP3-13708 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13713. Please contact us for custom HRP-conjugated antibody.



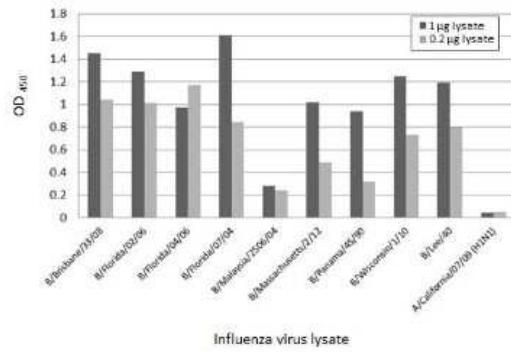
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of recombinant nucleoproteins (NP) derived from different strains of Influenza B (i.e., B/Sydney/3/2004; B/Victoria/02/1987) using antibodies as below. Capture: Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (5  $\mu$ g/mL) Detection: HRP-conjugated Influenza B Nucleoprotein antibody [HL1068] (NBP3-13708) (1  $\mu$ g/mL). Please notice that NBP3-13708 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13713. Please contact us for custom HRP-conjugated antibody.



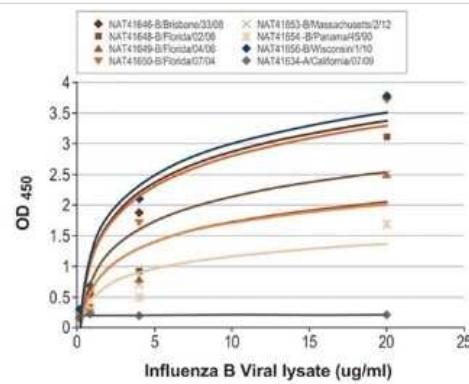
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of recombinant nucleoproteins derived from different strains of Influenza B (i.e., B/Sydney/3/2004; B/Victoria/02/1987) using antibodies as below. Capture: Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (5  $\mu$ g/mL) Detection: HRP-conjugated Influenza B Nucleoprotein antibody [HL1069] (NBP3-13709) (1  $\mu$ g/mL). Please notice that NBP3-13709 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13713. Please contact us for custom HRP-conjugated antibody.



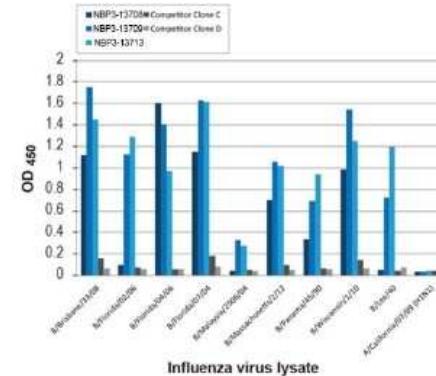
ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Indirect ELISA analysis performed by coating plate with viral lysate derived from different strains of Influenza A (i.e., A/California/07/09 (H1N1)) and Influenza B (i.e., B/Brisbane/33/08; B/Florida/02/06; B/Florida/04/06; B/Florida/07/04; B/Malaysia/2506/04; B/Massachusetts/2/12; B/Panama/45/90; B/Wisconsin/1/10; B/Lee/40) (1-0.2  $\mu$ g). Coated protein was probed with Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (1  $\mu$ g/mL). Rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) was used to detect bound primary antibody.



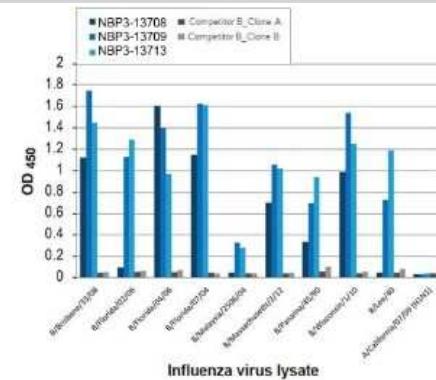
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of viral lysate derived from different strains of Influenza A (i.e., A/California/07/09 (H1N1)) and Influenza B (i.e., B/Brisbane/33/08; B/Florida/02/06; B/Florida/04/06; B/Florida/07/04; B/Massachusetts/2/12; B/Panama/45/90; B/Wisconsin/1/10) using antibodies as below. Capture: Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (5 ug/mL) Detection: HRP-conjugated Influenza B Nucleoprotein antibody [HL1069] (NBP3-13709) (1 ug/mL) Please notice that NBP3-13709 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13713. Please contact us for custom HRP-conjugated antibody.



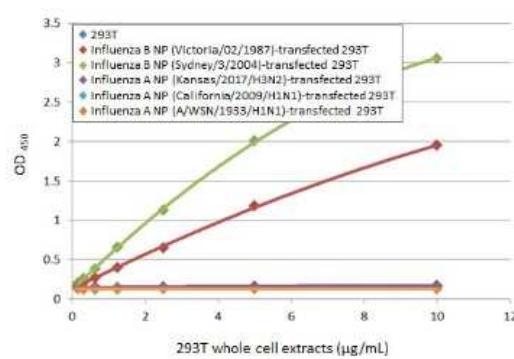
ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Indirect ELISA analysis was performed by coating a plate with viral lysates (1 ug) derived from different strains of influenza B virus or influenza A and probing with the specified influenza B nucleoprotein antibodies (1 ug/ml). Goat anti-rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) or goat anti-mouse IgG antibody (HRP) (NBP2-19382) (1:10000) were used to detect the bound primary antibodies.



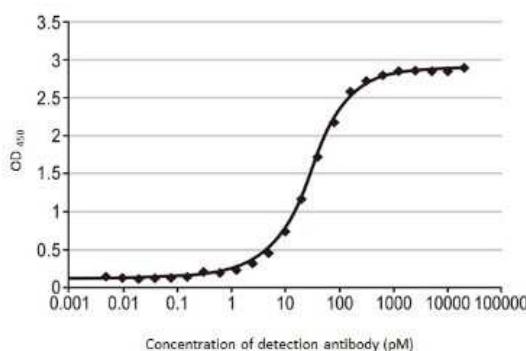
ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Indirect ELISA analysis was performed by coating a plate with viral lysates (1 ug) derived from different strains of influenza B virus or influenza A virus and probing with the specified influenza B virus nucleoprotein antibodies (1 ug/ml). Goat anti-rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) or goat anti-mouse IgG antibody (HRP) (NBP2-19382) (1:10000) were used to detect the bound primary antibodies.



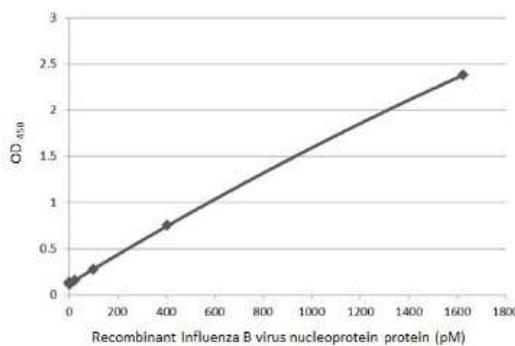
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using Influenza B Nucleoprotein antibody [HL1068] (NBP3-13708) as capture antibody at concentration of 5 ug/mL and HRP-conjugated Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) as detection antibody at concentration of 1 ug/mL. Please notice that NBP3-13713 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13708. Please contact us for custom HRP-conjugated antibody.



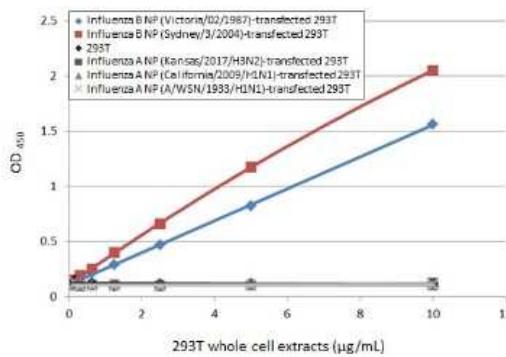
ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Indirect ELISA analysis performed by coating plate with recombinant full-length Influenza B virus nucleoprotein protein, DDDDK tag (50 ng). Coated protein was probed with Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (20000-4.77\*10^-3 pM). Rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) was used to detect bound primary antibody. EC50 : 29.94 pM



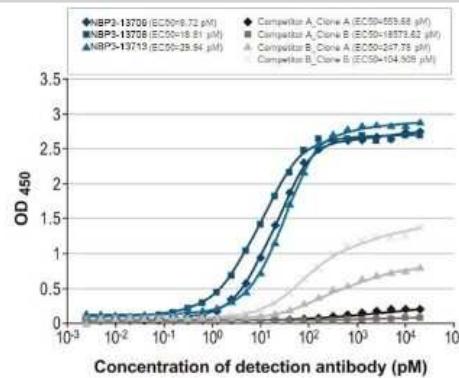
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of recombinant Influenza B Nucleoprotein (B/Sydney/3/2004), DDDDK Tag using antibodies as below. Capture: Influenza B Nucleoprotein antibody [HL1069] (NBP3-13709) (5 ug/mL) Detection: HRP-conjugated Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (1 ug/mL) Please notice that NBP3-13713 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13709. Please contact us for custom HRP-conjugated antibody.



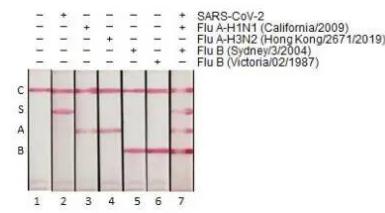
Sandwich ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using antibodies as below. Capture: Influenza B Nucleoprotein antibody [HL1069] (NBP3-13709) (5 ug/mL) Detection: HRP-conjugated Influenza B Nucleoprotein antibody [HL1073] (NBP3-13713) (1 ug/mL) Please notice that NBP3-13713 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13709. Please contact us for custom HRP-conjugated antibody.



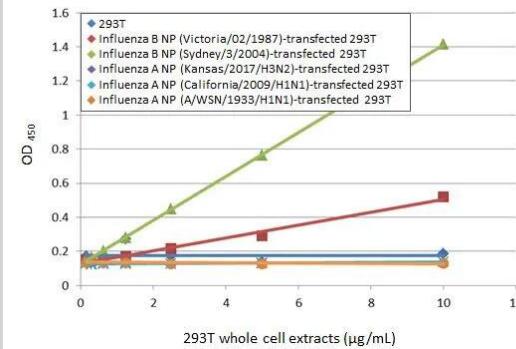
ELISA: Influenza B nucleoprotein Antibody (HL1073) [NBP3-13713] - Indirect ELISA analysis was performed by coating a plate with recombinant influenza B nucleoprotein (B/Sydney/3/2004), DDDDK Tag (50 ng), and probing with the specified influenza B nucleoprotein antibodies at the indicated concentrations. Goat anti-rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) or goat anti-mouse IgG antibody (HRP) (NBP2-19382) (1:10000) were used to detect the bound primary antibodies.



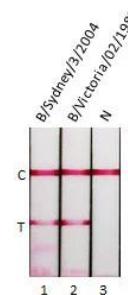
Lateral Flow Assay: Influenza B nucleoprotein Antibody (HL1073) - (B/Taiwan/753/2005) [NBP3-13713] - Detection of nucleoproteins (NP) derived from SARS-CoV-2, Influenza A virus and Influenza B virus by lateral flow assay using the monoclonal antibody pair. **Capture:** S. SARS-CoV-2 (COVID-19) Nucleocapsid antibody A. Influenza A virus Nucleoprotein antibody B. Influenza B nucleoprotein antibody (NBP3-13713 [HL1073]) **Detection:** SARS-CoV-2 (COVID-19) Nucleocapsid antibody Influenza A virus Nucleoprotein antibody Influenza B nucleoprotein antibody **Samples (40 ng):** 1. Lysis buffer 2. SARS-CoV-2 (COVID-19) Nucleocapsid protein, His tag 3. Influenza A virus Nucleoprotein (A/California/2009 (H1N1)) 4. Influenza A virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2)) 5. Influenza B nucleoprotein (B/Sydney/3/2004), DDDDK Tag 6. Influenza B nucleoprotein (B/Victoria/02/1987), DDDDK Tag 7. Mixture of SARS-CoV-2, Flu A-H1N1 and Flu B Nucleoprotein



ELISA: Influenza B nucleoprotein Antibody (HL1073) - (B/Taiwan/753/2005) [NBP3-13713] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using Influenza B nucleoprotein antibody [HL1073] (NBP3-13713) as capture antibody at concentration of 5 ug/mL and HRP-conjugated Influenza B nucleoprotein antibody [HL1068] as detection antibody at concentration of 1 ug/mL. Please notice that GTX636099 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13713. Please contact us for custom HRP-conjugated antibody.



Lateral Flow Assay: Influenza B nucleoprotein Antibody (HL1073) - (B/Taiwan/753/2005) [NBP3-13713] - Detection of influenza B virus nucleoprotein by lateral flow assay using the monoclonal antibody pair. **Capture:** Influenza B nucleoprotein antibody (NBP3-13713 [HL1073]) **Detection:** Influenza B nucleoprotein antibody **Samples (2.5 ng):** 1. Influenza B nucleoprotein (B/Sydney/3/2004) 2. Influenza B nucleoprotein (B/Victoria/02/1987) 3. Lysis buffer





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General: [novus@novusbio.com](mailto:novus@novusbio.com)

### Products Related to NBP3-13713

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

### 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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