

Product Datasheet

Influenza B nucleoprotein Antibody (HL1068) - (B/Taiwan/753/2005) - Azide and BSA Free

NBP3-13708

Unit Size: 100 ul

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

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NBP3-13708

Influenza B nucleoprotein Antibody (HL1068) - (B/Taiwan/753/2005) - Azide and BSA Free

Product Information

Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HL1068
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

Product Description

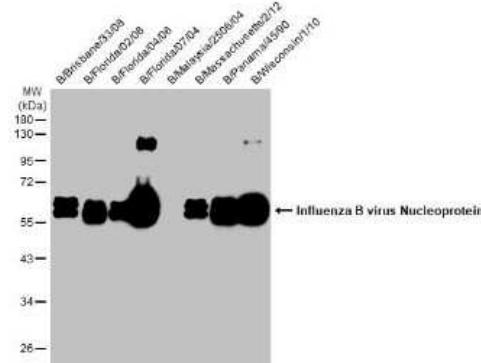
Description	Centrifuge briefly prior to opening.
Host	Rabbit
Species	Virus
Reactivity Notes	Influenza B virus
Specificity/Sensitivity	Influenza B Nucleoprotein (B/Taiwan/753/2005)
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of Influenza B nucleoprotein (B/Taiwan/753/2005).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

Product Application Details

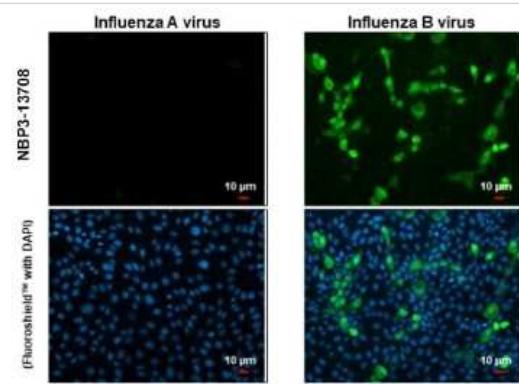
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Lateral Flow Assay
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Lateral Flow Assay

Images

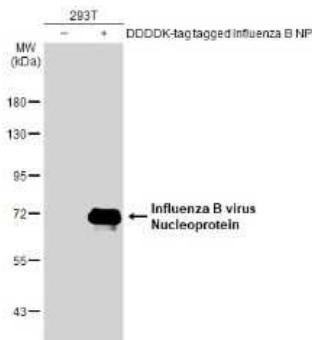
Western Blot: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Influenza B viral lysates (1 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



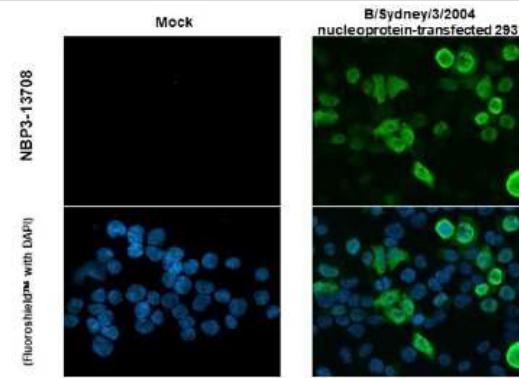
Immunocytochemistry/Immunofluorescence: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Immunofluorescent analysis of influenza virus infected cells using Influenza B Virus Nucleoprotein antibody (NBP3-13708). Sample: Influenza A and B Virus infected cells slide. Green: Influenza B Virus Nucleoprotein antibody (NBP3-13708) diluted at 1:100.



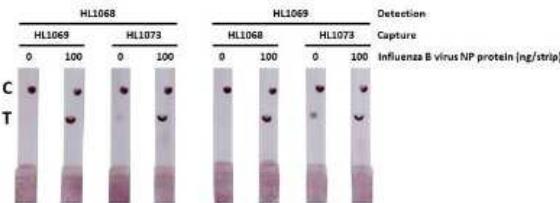
Western Blot: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



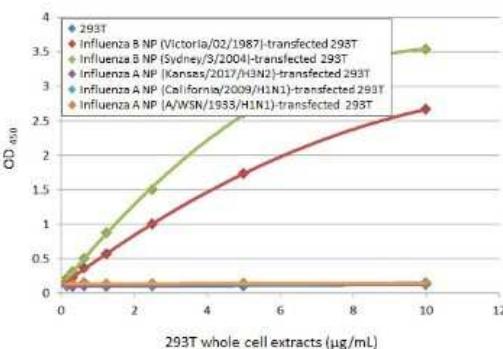
Immunocytochemistry/Immunofluorescence: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Influenza B Virus Nucleoprotein antibody (NBP3-13708) detects overexpressed Influenza virus Nucleoprotein protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Influenza B Virus Nucleoprotein stained by Influenza B Virus Nucleoprotein antibody (NBP3-13708) diluted at 1:2000.



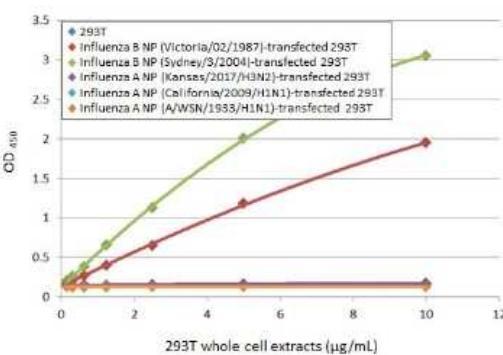
Lateral Flow Assay: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Detection of recombinant influenza B virus nucleoprotein (NP) (B/Sydney/3/2004), DDDDK Tag by lateral flow assay using the indicated recombinant rabbit monoclonal antibody pairs. HL1068 : Influenza B Virus Nucleoprotein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



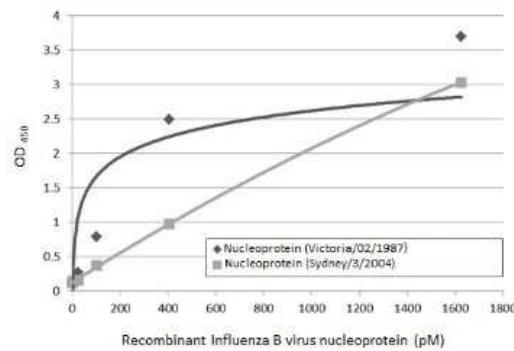
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) as capture antibody at concentration of 5 ug/mL and HRP-conjugated Influenza B Virus Nucleoprotein antibody [HL1069] (NBP3-13709) as detection antibody at concentration of 1 ug/mL. Please notice that NBP3-13709 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.



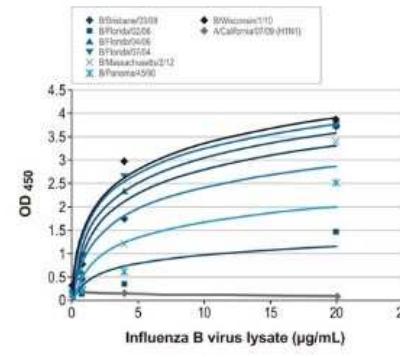
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) as capture antibody at concentration of 5 ug/mL and HRP-conjugated Influenza B Virus 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.



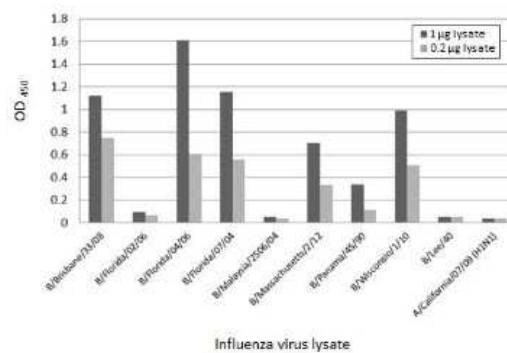
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of recombinant nucleoproteins (NP) derived from different strains of Influenza B virus (i.e., B/Sydney/3/2004; B/Victoria/02/1987) using antibodies as below. Capture : Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (5 ug/mL) Detection: HRP-conjugated Influenza B Virus 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 NBP3-13708. Please contact us for custom HRP-conjugated antibody.



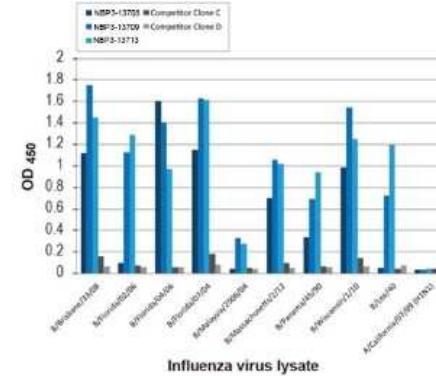
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of viral lysate derived from different strains of Influenza A virus (i.e., A/California/07/09 (H1N1)) and Influenza B virus (i.e., B/Brisbane/33/08; B/Florida/02/06; B/Florida/04/06; B/Florida/07/04; B/Massachusetts/2/12; B/Panama/45/90; B/Wisconsin/1/10) using antibodies as below. Capture: Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (5 ug/mL) Detection: HRP-conjugated Influenza B Virus 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 NBP3-13708. Please contact us for custom HRP-conjugated antibody.



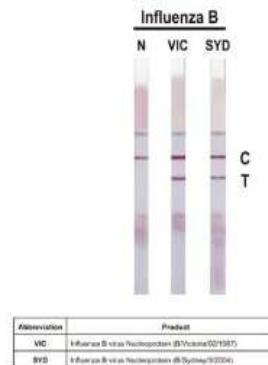
ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Indirect ELISA analysis performed by coating plate with viral lysate derived from different strains of Influenza A virus (i.e., A/California/07/09 (H1N1)) and Influenza B virus (i.e., B/Brisbane/33/08; B/Florida/02/06; B/Florida/04/06; 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 ug). Coated protein was probed with Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (1 ug/mL). Rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) was used to detect bound primary antibody.



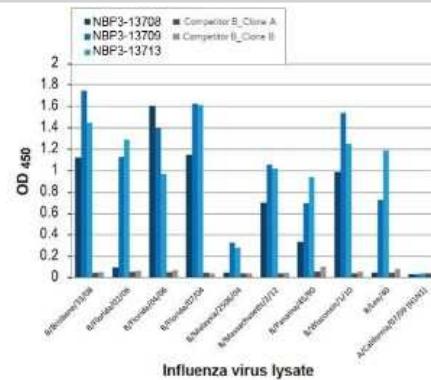
ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Indirect ELISA analysis was performed by coating a plate with viral lysates (1 ug) derived from different strains of influenza B virus or influenza A virus and probing with the specified influenza B virus nucleoprotein antibodies (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.



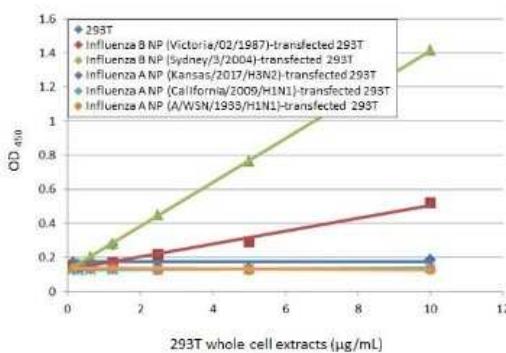
Lateral Flow Assay: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Detection of recombinant influenza B virus nucleoproteins of the indicated strains by lateral flow assay using the recombinant rabbit monoclonal antibody pair. Capture: Influenza B Virus Nucleoprotein antibody [HL1069] (NBP3-13709) Detection: Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708)



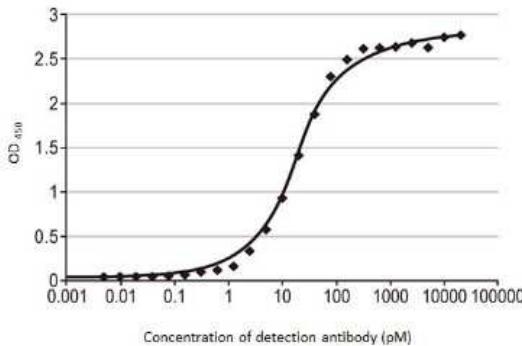
ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Indirect ELISA analysis was performed by coating a plate with viral lysates (1 ug) derived from different strains of influenza B virus or influenza A virus and probing with the specified influenza B virus nucleoprotein antibodies (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.



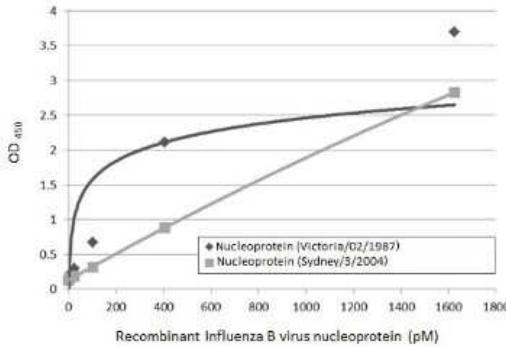
ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using Influenza B Virus Nucleoprotein antibody [HL1073] (NBP3-13713) as capture antibody at concentration of 5 μ g/mL and HRP-conjugated Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) as detection antibody at concentration of 1 μ 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.



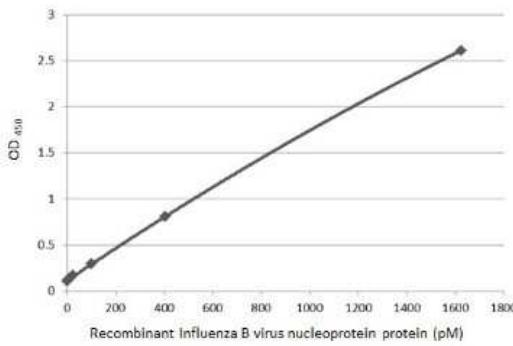
ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Indirect ELISA analysis performed by coating plate with recombinant full-length Influenza B virus NP (nucleoprotein) protein, DDDDK tag (50 ng). Coated protein was probed with Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (20000-4.77*10⁻³ pM). Rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) was used to detect bound primary antibody. EC50 : 18.81 pM



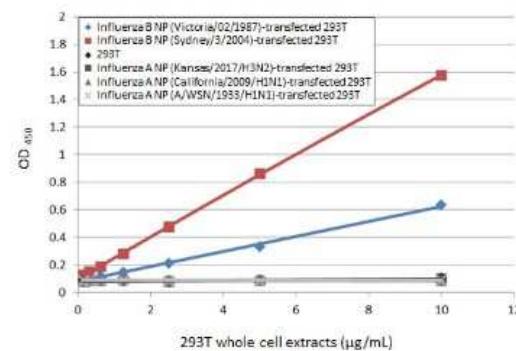
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of recombinant nucleoproteins (NP) derived from different strains of Influenza B virus (i.e., B/Sydney/3/2004; B/Victoria/02/1987) using antibodies as below. Capture: Influenza B Virus Nucleoprotein antibody [HL1073] (NBP3-13713) (5 μ g/mL) Detection: HRP-conjugated Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (1 μ 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.



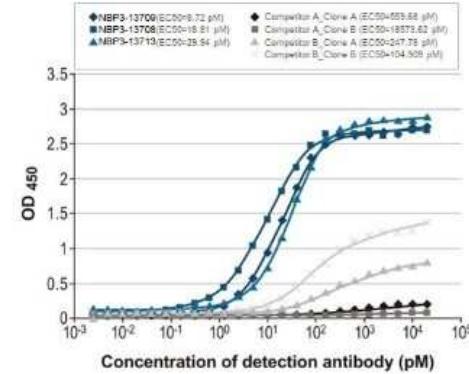
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of recombinant Influenza B Virus Nucleoprotein (B/Sydney/3/2004), DDDDK Tag using antibodies as below. Capture: Influenza B Virus Nucleoprotein antibody [HL1069] (NBP3-13709) (5 μ g/mL) Detection: HRP-conjugated Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (1 μ g/mL) Please notice that NBP3-13708 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.



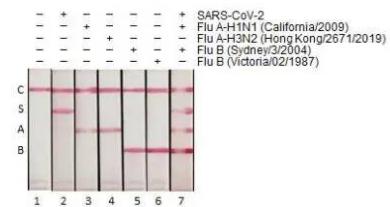
Sandwich ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Sandwich ELISA detection of non-transfected and transfected 293T whole cell extracts using antibodies as below. **Capture:** Influenza B Virus Nucleoprotein antibody [HL1069] (NBP3-13709) (5 ug/mL) **Detection:** HRP-conjugated Influenza B Virus Nucleoprotein antibody [HL1068] (NBP3-13708) (1 ug/mL) Please notice that NBP3-13708 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.



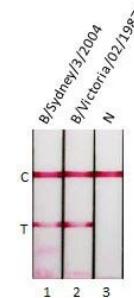
ELISA: Influenza B Virus Nucleoprotein Antibody (HL1068) [NBP3-13708] - Indirect ELISA analysis was performed by coating a plate with recombinant influenza B virus nucleoprotein (B/Sydney/3/2004), DDDDK Tag (50 ng), and probing with the specified influenza B virus nucleoprotein antibodies at the indicated 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 (HL1068) - (B/Taiwan/753/2005) [NBP3-13708] - 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 **Detection:** SARS-CoV-2 (COVID-19) Nucleocapsid antibody Influenza A virus Nucleoprotein antibody Influenza B nucleoprotein antibody (NBP3-13708 [HL1068]) **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



Lateral Flow Assay: Influenza B nucleoprotein Antibody (HL1068) - (B/Taiwan/753/2005) [NBP3-13708] - Detection of influenza B virus nucleoprotein by lateral flow assay using the monoclonal antibody pair. **Capture:** Influenza B nucleoprotein antibody **Detection:** Influenza B nucleoprotein antibody (NBP3-13708 [HL1068]) **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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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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