

Product Datasheet

Influenza A H3N2 Nucleoprotein Antibody (HL1089) - (A/Kansas/14/2017) - Azide and BSA Free NBP3-13715

Unit Size: 100 ul

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

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NBP3-13715

Influenza A H3N2 Nucleoprotein Antibody (HL1089) - (A/Kansas/14/2017) - 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	HL1089
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

Product Description

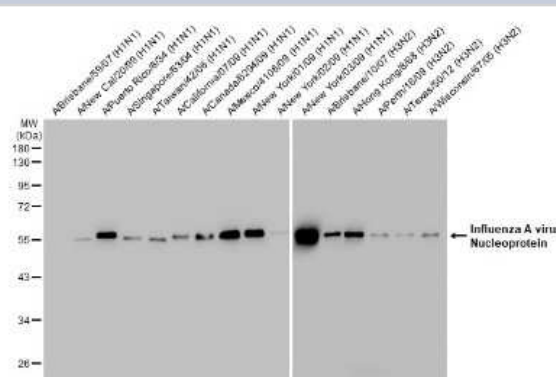
Description	Centrifuge briefly prior to opening.
Host	Rabbit
Species	Virus
Specificity/Sensitivity	Influenza A H3N2 Nucleoprotein. (A/Kansas/14/2017)
Immunogen	Recombinant protein encompassing a sequence within the center region of Influenza A H3N2 Nucleoprotein (A/Kansas/14/2017(H3N2)). The exact sequence is proprietary.

Product Application Details

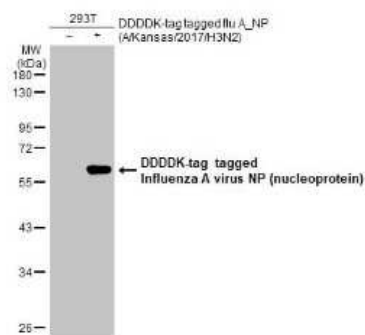
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Lateral Flow Assay
Recommended Dilutions	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Sandwich ELISA, Lateral Flow Assay

Images

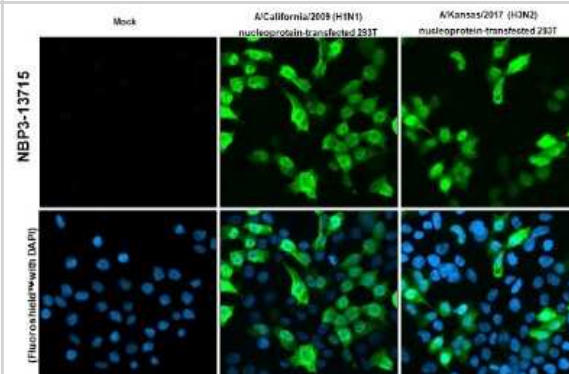
Western Blot: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Influenza A viral lysates (1 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



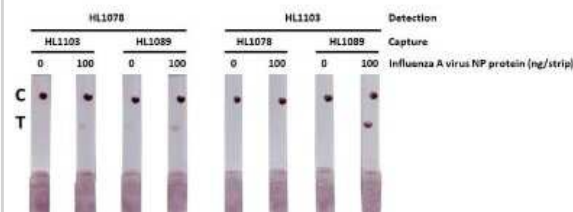
Western Blot: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



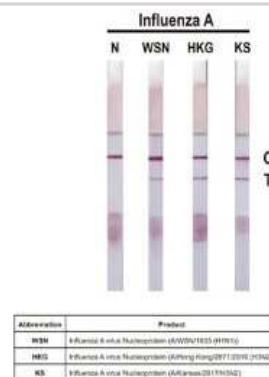
Immunocytochemistry/Immunofluorescence: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Influenza A H3N2 nucleoprotein antibody (NBP3-13715) detects overexpressed Influenza virus Nucleoprotein protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Influenza A nucleoprotein stained by Influenza A H3N2 nucleoprotein antibody (NBP3-13715) diluted at 1:2000.



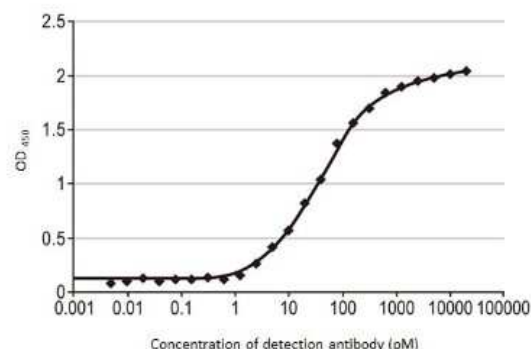
Lateral Flow Assay: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Detection of recombinant influenza A virus nucleoprotein (A/WSN/1933 (H1N1)), DDDDK Tag by lateral flow assay using the indicated recombinant rabbit monoclonal antibody pairs. HL1078 : Influenza A nucleoprotein antibody [HL1078] (NBP3-13714) HL1089 : Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) HL1103 : Influenza A nucleoprotein antibody [HL1103] (NBP3-13721) Sample : Influenza A nucleoprotein (A/WSN/1933 (H1N1)), DDDDK Tag



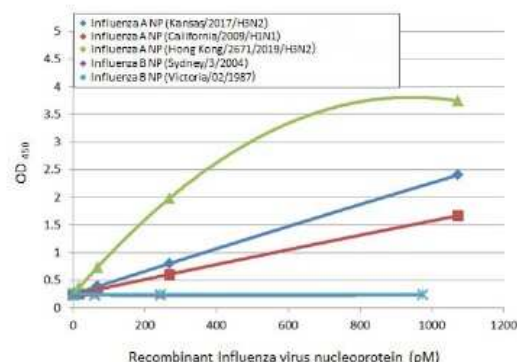
Lateral Flow Assay: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Detection of recombinant influenza A virus nucleoproteins of the indicated strains by lateral flow assay using the recombinant rabbit monoclonal antibody pair. Capture: Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) Detection: Influenza A nucleoprotein antibody [HL1103] (NBP3-13721)



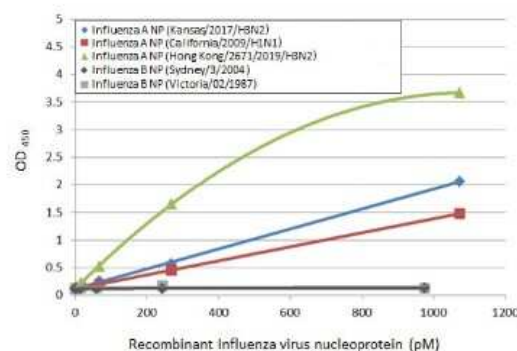
ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Indirect ELISA analysis performed by coating plate with recombinant full-length Influenza A virus nucleoprotein antibody (50 ng). Coated protein was probed with Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) (20000-4.77*10⁻³ pM). Rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) was used to detect bound primary antibody. EC50 : 37.93 pM



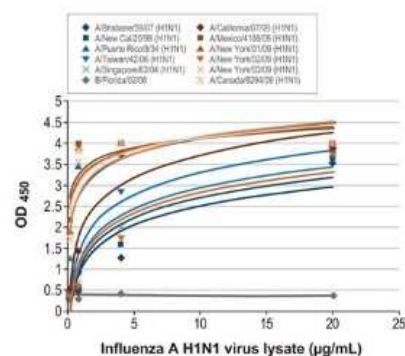
ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Sandwich ELISA detection of recombinant nucleoproteins (NP) derived from different strains of Influenza A virus (i.e., A/Kansas/2017 (H3N2); A/California/2009 (H1N1); A/Hong Kong/2671/2019 (H3N2)) and Influenza B virus (i.e., B/Sydney/3/2004; B/Victoria/02/1987)) using antibodies as below. Capture : Influenza A virus NP (nucleoprotein) antibody [HL1103] (NBP3-13721) (5 ug/mL) Detection: HRP-conjugated Influenza A H3N2 virus nucleoprotein antibody [HL1089] (NBP3-13715) (1 ug/mL). Please notice that NBP3-13715 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13721. Please contact us for custom HRP-conjugated antibody.



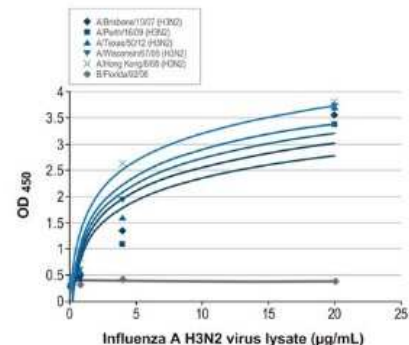
Sandwich ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Sandwich ELISA detection of recombinant nucleoproteins derived from different strains of Influenza A virus (i.e., A/Kansas/2017 (H3N2); A/California/2009 (H1N1); A/Hong Kong/2671/2019 (H3N2)) and Influenza B virus (i.e., B/Sydney/3/2004; B/Victoria/02/1987) using antibodies as below. Capture: Influenza A H3N2 virus nucleoprotein antibody [HL1089] (NBP3-13715) (5 ug/mL) Detection: HRP-conjugated Influenza A virus NP (nucleoprotein) antibody [HL1103] (NBP3-13721) (1 ug/mL). Please notice that NBP3-13721 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13715. Please contact us for custom HRP-conjugated antibody.



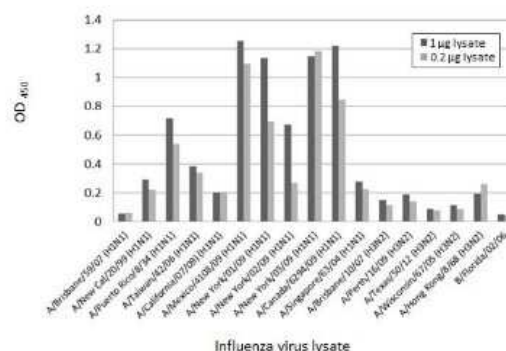
Sandwich ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Sandwich ELISA detection of viral lysate derived from different strains of Influenza A virus (i.e., A/Brisbane/59/07 (H1N1); A/New Cal/20/99 (H1N1); A/Puerto Rico/8/34 (H1N1); A/Taiwan/42/06 (H1N1); A/Singapore/63/04 (H1N1); A/California/07/09 (H1N1); A/Mexico/4108/09 (H1N1); A/New York/01/09 (H1N1); A/New York/02/09 (H1N1); A/New York/03/09 (H1N1); A/Canada/6294/09 (H1N1)) and Influenza B virus (i.e., B/Florida/02/06) using antibodies as below. Capture: Influenza A nucleoprotein antibody [HL1103] (NBP3-13721) (5 ug/mL) Detection: HRP-conjugated Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) (1 ug/mL) Please notice that NBP3-13715 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13721. Please contact us for custom HRP-conjugated antibody.



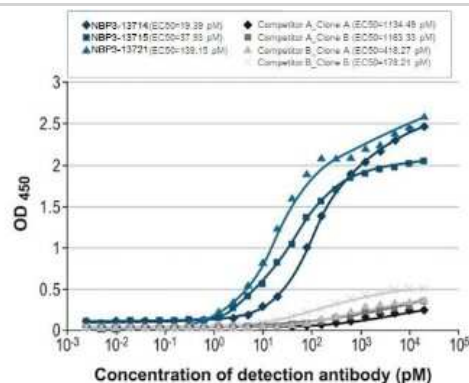
Sandwich ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Sandwich ELISA detection of viral lysate derived from different strains of Influenza A virus (i.e., A/Brisbane/10/07 (H3N2); A/Perth/16/09 (H3N2); A/Texas/50/12 (H3N2); A/Wisconsin/67/05 (H3N2); A/Hong Kong/8/68 (H3N2)) and Influenza B virus (i.e., B/Florida/02/06) using antibodies as below. Capture: Influenza A nucleoprotein antibody [HL1103] (NBP3-13721) (5 ug/mL) Detection: HRP-conjugated Influenza A H3N2 nucleoprotein antibody [HL1089] (NBP3-13715) (1 ug/mL) Please notice that NBP3-13715 needs to be conjugated to HRP to function as the detection antibody when paired with NBP3-13721. Please contact us for custom HRP-conjugated antibody.



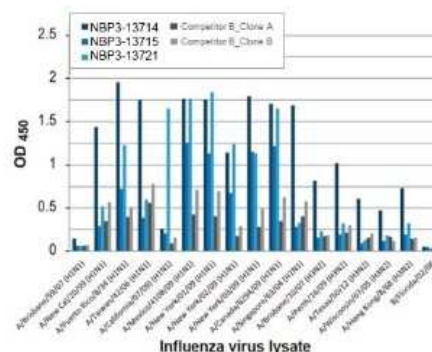
ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Indirect ELISA analysis performed by coating plate with viral lysate derived from different strains of Influenza A virus (i.e., A/Brisbane/59/07 (H1N1); A/New Cal/20/99 (H1N1); A/Puerto Rico/8/34 (H1N1); A/Taiwan/42/06 (H1N1); A/California/07/09 (H1N1); A/Mexico/4108/09 (H1N1); A/New York/01/09 (H1N1); A/New York/02/09 (H1N1); A/New York/03/09 (H1N1); A/Canada/6294/09 (H1N1); A/Singapore/63/04 (H1N1); A/Brisbane/10/07 (H3N2); A/Perth/16/09 (H3N2); A/Texas/50/12 (H3N2); A/Wisconsin/67/05 (H3N2); A/Hong Kong/8/68 (H3N2)) and Influenza B virus (i.e., B/Florida/02/06) (1-0.2 ug). Coated protein was probed with Influenza A H3N2 virus nucleoprotein antibody [HL1089] (NBP3-13715) (1 ug/mL). Rabbit IgG antibody (HRP) (NBP2-19301) (1:10000) was used to detect bound primary antibody.



ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Indirect ELISA analysis was performed by coating a plate with recombinant influenza A virus nucleoprotein (A/Kansas/2017/H3N2), DDDDK Tag (50 ng), and probing with the specified influenza A 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.



ELISA: Influenza A H3N2 Nucleoprotein Antibody (HL1089) [NBP3-13715] - Indirect ELISA analysis was performed by coating a plate with viral lysates (1 ug) derived from different strains of influenza A virus or influenza B virus and probing with the specified influenza A 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.

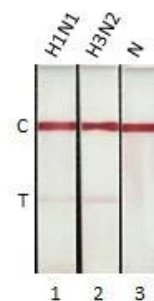


Lateral Flow Assay: Influenza A H3N2 Nucleoprotein Antibody (HL1089) - (A/Kansas/14/2017) [NBP3-13715] - Detection of influenza A virus nucleoprotein by lateral flow assay using the monoclonal antibody pair.

Capture: Influenza A H3N2 Nucleoprotein antibody (NBP3-13715

[HL1089]) **Detection:** Influenza A H3N2 Nucleoprotein antibody

Samples (1 ng) : 1. Influenza A H3N2 Nucleoprotein (A/California/2009 (H1N1)) 2. Influenza A H3N2 Nucleoprotein (A/Hong Kong/2671/2019 (H3N2)) 3. Lysis buffer





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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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