# Influenza A virus Nucleoprotein (A/California/2009 (H1N1)), DDDDK Tag

## Cat. No. GTX135904-pro

| Applications | WB, ELISA, Lateral Flow, Sandwich ELISA |
|---|---|
| Species | Influenza A virus |

**Package**
100 µg

## Applications

### Application Note

Recommended antibody pairs for sandwich ELISA:
Capture : GTX636282 / GTX636199 / GTX636247, Detection : GTX636318 or Capture : GTX641086, Detection : GTX636199 / GTX636282
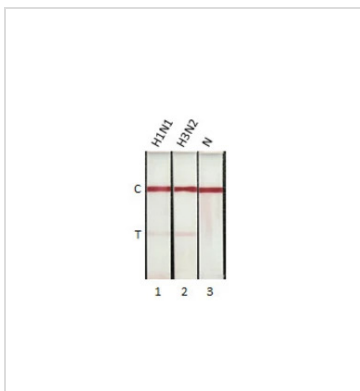Please notice that detection antibodies need to be conjugated to HRP when paired with capture antibodies. Please contact us for custom HRP-conjugated antibody.

## Properties

| | |
|---|---|
| Form | Liquid |
| Buffer | 90mM Tris, 1M Arginine |
| Preservative | No preservative |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. Aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. For long-term storage after reconstitution, aliquot and store at -70ºC or below. Do not vortex. |
| Concentration | 0.9 mg/ml (Please refer to the vial label for the specific concentration.) |
| Region/Sequence | C-terminal DDDDK tagged full length NP (nucleoprotein) of Influenza A virus (A/California/2009/H1N1)(QFR38304) |
| Expression System | HEK293 cells |
| Purity | >90% |
| Conjugation | Unconjugated |
| Note | For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. |

For full product information, images and publications, please visit our **website**.

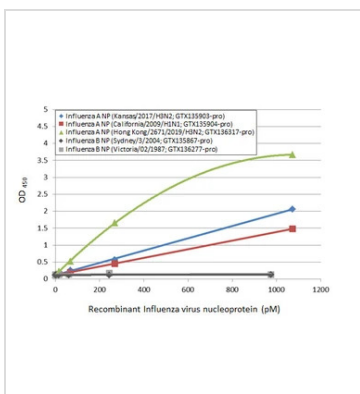## DATA IMAGES



### GTX135904-pro Lateral Flow Image

Detection of influenza A virus nucleoprotein by lateral flow assay using the monoclonal antibody pair.

**Capture:** Influenza A virus Nucleoprotein antibody (GTX636247 [HL1089])
**Detection:** Influenza A virus Nucleoprotein antibody (GTX637790 [HL1953])

**Samples (1 ng) :**
1. Influenza A virus Nucleoprotein (A/California/2009 (H1N1)) (GTX135904-pro)
2. Influenza A virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2)) (GTX136317-pro)
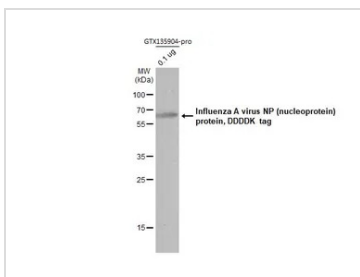3. Lysis buffer



### GTX135904-pro ELISA Image

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.
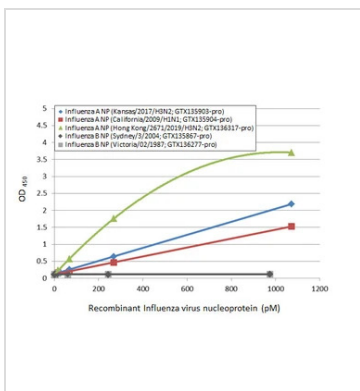**Capture:** Influenza A virus NP (nucleoprotein) antibody [HL1089] (GTX636247) (5 µg/mL)
**Detection:** HRP-conjugated Influenza A virus NP (nucleoprotein) antibody [HL1103] (GTX636318) (1 µg/mL).

Please notice that GTX636318 needs to be conjugated to HRP to function as the detection antibody when paired with GTX636247. Please contact us for custom HRP-conjugated antibody.



### GTX135904-pro WB Image

Influenza A virus NP (nucleoprotein) protein, DDDDK tag (GTX135904-pro, 0.1 µg) was separated by 12% SDS-PAGE, and the membrane was blotted with the DDDDK tag antibody diluted at 1:10000.



### GTX135904-pro ELISA Image

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 [HL1078] (GTX636199) (5 µg/mL)
**Detection:** HRP-conjugated Influenza A virus NP (nucleoprotein) antibody [HL1103] (GTX636318) (1 µg/mL).

Please notice that GTX636318 needs to be conjugated to HRP to function as the detection antibody when paired with GTX636199. Please contact us for custom HRP-conjugated antibody.