

## Antibody Datasheet

**Name:** Influenza A Virus Nucleoprotein Antibody (HL1103)

**Product Code:** MAB12484-100 / MAB12484-500

**Batch #:**

**Date of Manufacture:**

**Product Description:** Anti-influenza A virus nucleoprotein monoclonal antibody, made in rabbit.

**Clone Number:** HL1103

**Isotype:** IgG

**Amount:** 0.1 mg / 0.5 mg

**Concentration:** mg/ml

**Presentation:** Liquid

**Buffer:** PBS

**Stabilizer:** No stabilizer added

**Preservative:** No preservative added

**Immunogen:** Recombinant protein encompassing a sequence within the center region of Influenza A virus Nucleoprotein. The exact sequence is proprietary.

**Purification:** Affinity purified by Protein A.

**Specificity:** Influenza A virus

**Applications:** WB, ICC/IF, ELISA, Lateral Flow, Sandwich ELISA

**Matched Pair:** Capture: MAB12483 and Detection: MAB12484 or Capture: MAB12484 and Detection: MAB12483 (conjugated to HRP)

### Usage Guidelines

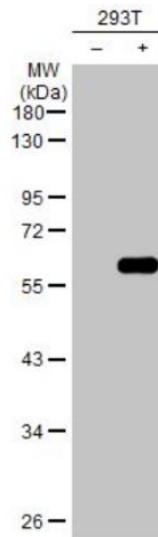
**Short Term Storage:** 1-2 weeks at 4°C.

**Long Term Storage:** -20°C

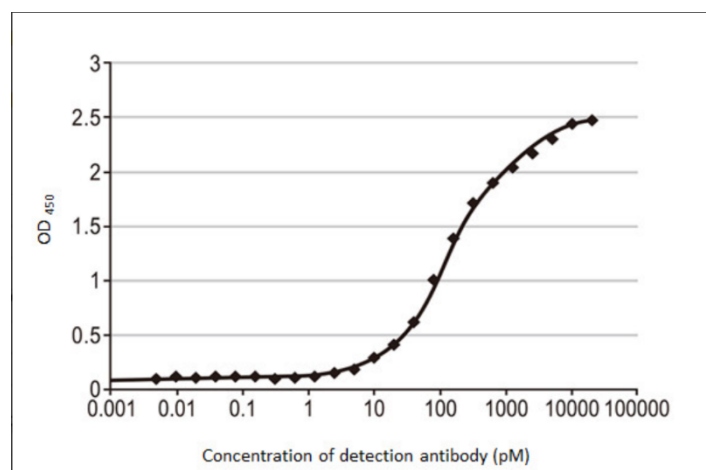
**Storage Guidelines:** Store as concentrated solution. Centrifuge briefly prior to opening vial. Avoid multiple freeze-thaw cycles.



**Western Blot:** Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Influenza A virus Nucleoprotein antibody MAB12484 diluted at 1:5000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



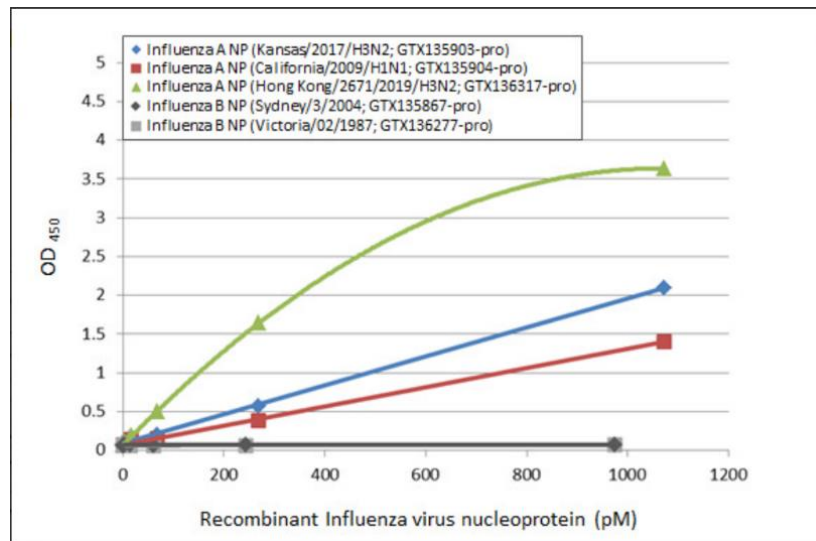
**ELISA:** Indirect ELISA analysis performed by coating plate with recombinant full-length Influenza A virus nucleoprotein (50 ng). Coated protein was probed with Influenza A virus Nucleoprotein antibody MAB12484 (20000-4.77\*10<sup>-3</sup> pM). Rabbit IgG antibody (HRP) (1:10000) was used to detect bound primary antibody. EC50 : 139.15 pM



**ELISA:** 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 MAB12484 (5 µg/mL)

Detection: HRP-conjugated Influenza A virus NP (nucleoprotein) antibody MAB12485 (1 µg/mL).



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**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**

