

Antibody Datasheet

Name: Influenza B Virus Nucleoprotein Antibody (HL1069)

Product Code: MAB12481-100 / MAB12481-500

Batch #:

Date of Manufacture:

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

Clone Number: HL1069

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 N-terminus region of Influenza B virus Nucleoprotein (B/Taiwan/753/2005). The exact sequence is proprietary.

Purification: Affinity purified by Protein A.

Specificity: Influenza B virus

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

Matched Pair: Capture: MAB12480 / MAB12482 and Detection: MAB12481 (conjugated to HRP) or Capture: MAB12481 and Detection: MAB12480 / MAB12482

Usage Guidelines

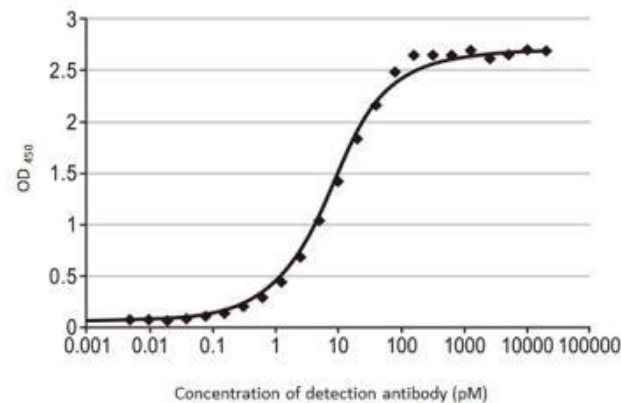
Short Term Storage: 1-2 weeks at 4°C.

Long Term Storage: -20°C

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



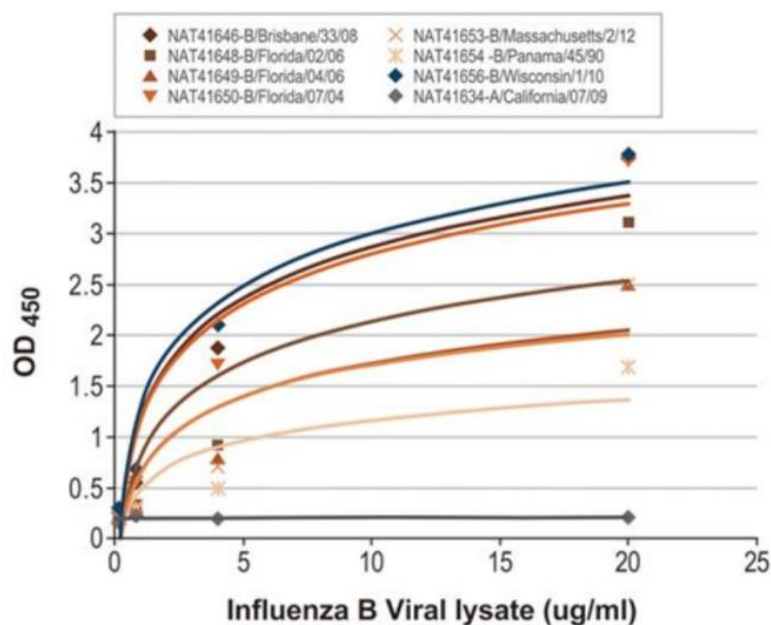
ELISA: Indirect ELISA analysis performed by coating plate with recombinant full-length Influenza B virus nucleoprotein (50 ng). Coated protein was probed with Influenza B virus Nucleoprotein antibody MAB12481 (20000-4.77*10⁻³ pM). Rabbit IgG antibody (HRP) (1:10000) was used to detect bound primary antibody. EC50 : 8.72 pM



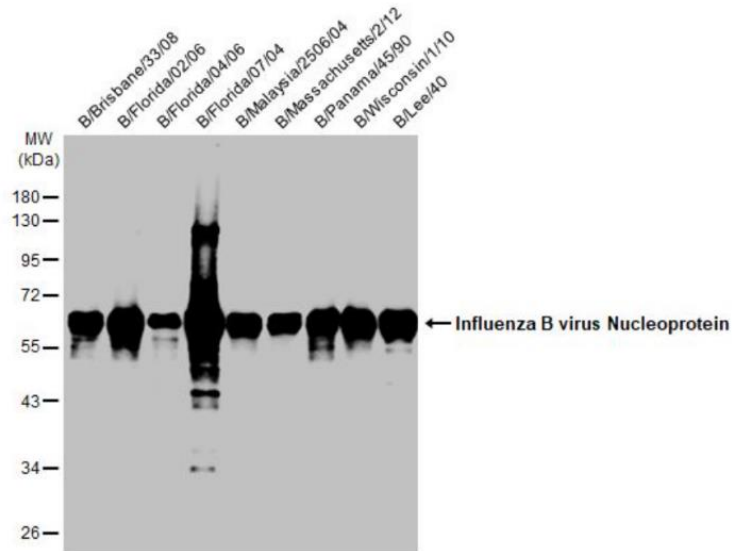
ELISA: Sandwich ELISA detection of viral lysate derived from different strains of Influenza A virus (i.e., A/California/07/09 (H1N1)) and Influenza B virus (i.e., B/Brisbane/33/08; B/Florida/02/06; B/Florida/04/06; B/Florida/07/04; B/Massachusetts/2/12; B/Panama/45/90; B/Wisconsin/1/10) using antibodies as below.

Capture: Influenza B virus Nucleoprotein antibody MAB12482 (5 µg/mL)

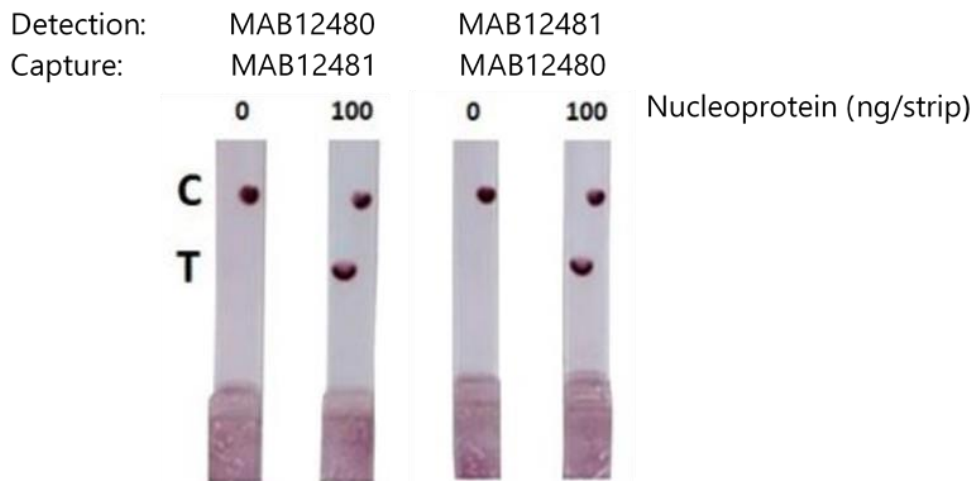
Detection: HRP-conjugated Influenza B virus Nucleoprotein antibody MAB12481 (1 µg/mL)



Western Blot: Influenza B viral lysates (1 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with Influenza B virus Nucleoprotein antibody MAB12481 diluted at 1:1000. A HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



LFA: Detection of recombinant influenza B virus nucleoprotein (NP) (B/Sydney/3/2004) by lateral flow assay using MAB12480 AND MAB12481 antibody pair.



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QC

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