

Anti-Nucleoprotein antibody



Catalog Number: 100590

Product name

Anti-Nucleoprotein antibody

Specificity

Influenza A Nucleoprotein

Has cross-reactivity in ELISA with H1N1 NP; H7N9 (A/Anhui/1/2013) NP; H7N9 (A/Shanghai/1/2013) NP

No cross-reactivity in ELISA with Insect cell lysate

Antibody description

Mouse monoclonal to Nucleoprotein

Formulation

0.2 µm filtered solution in PBS with 5% trehalose

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.

Preservative-Free.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

Clonality

Monoclonal

Ig Type

Mouse IgG2b

Applications

ELISA, WB

Dilutions

WB: 1-5 µg/mL

ELISA: 0.5-1 µg/mL

This antibody can be used at 0.5-1 µg/mL with the appropriate secondary reagents to detect H1N1 NP, H7N9 (A/Anhui/1/2013) NP and H7N9 (A/Shanghai/1/2013) NP. The detection limit for H1N1 NP is 0.078 ng/well. The detection limit for both H7N9 (A/Anhui/1/2013) NP and H7N9 (A/Shanghai/1/2013) NP are approximately 0.039 ng/well.

Validations



Lanes	A
Sample (Protein)	NP His
Sample Volume (µg/Lane)	30
Gel	13% SDS-PAGE reducing gel
Recommended Concentration	1-5 µg/ml
Secondary Antibody	Dylight 800-labeled Antibody to Mouse IgG (1:1), at 1:2500 dilution. Developed using Odyssey imaging system.
Explanation	Predicted band size : 57 kDa Observed band size : 57 kDa

Influenza A Nucleoprotein / NP Antibody, Mouse Mab, Western blot