

DATASHEET

Broad-Reactive Influenza B NP Mouse Monoclonal Antibody (BNP_1H9)

CAT. NO. AXA0014

KEY FEATURES

Target	Broad-Reactive Influenza B NP	Source / Host	Mouse
Reactivity	Influenza B Virus	Clonality	Monoclonal
Applications	WB, IFA, ELISA	Storage	-20.0°C

BACKGROUND

Influenza B virus, a member of the Orthomyxoviridae family, is a major human respiratory pathogen that circulates globally, causing seasonal influenza outbreaks. Unlike influenza A virus, influenza B virus has no animal reservoirs and is classified into two main lineages: Victoria and Yamagata. The NP of influenza B virus is a highly conserved structural protein, functioning as a core component of the viral ribonucleoprotein complex. It is responsible for encapsidating the viral negative-sense RNA genome, protecting it from host nuclease degradation, and facilitating critical steps in viral replication, transcription, and intracellular transport. Due to its low sequence variability across different influenza B strains and lineages, NP is a key target for developing broad-reactive diagnostic tools, universal vaccines, and antiviral therapies. Broad-reactive agents targeting influenza B NP can bind to conserved epitopes, enabling cross-strain detection and neutralization, which is essential for combating the continuous circulation and evolution of influenza B virus.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	Dilution Ratio
IFA	1:200-1:500
WB	1:500-1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse Monoclonal antibody to Broad-Reactive Influenza B NP
Antibody Type	Primary antibody
Immunogen	Prokaryotically expressed Influenza B NP protein
Form/Buffer	PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	Influenza B NP, Influenza B nucleoprotein, Flu B NP, Influenza B virus nucleocapsid protein

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

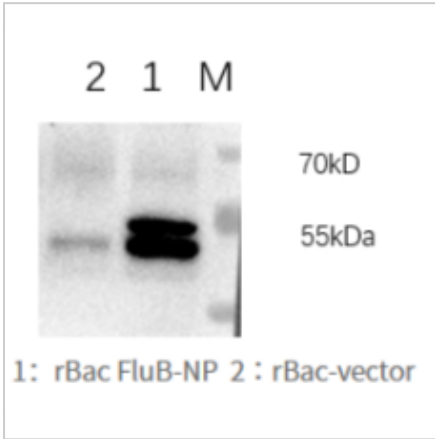
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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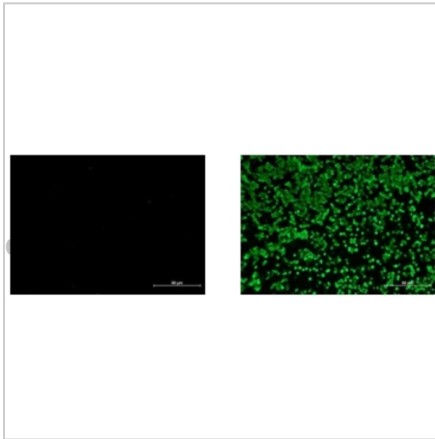
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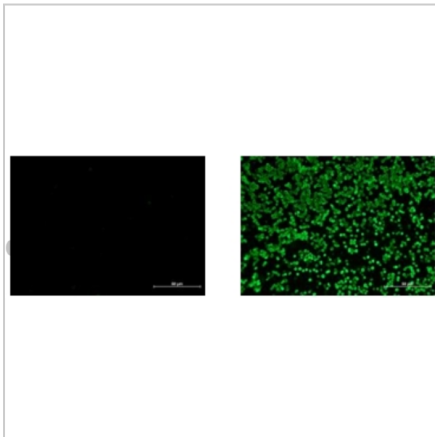
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Specificity of FluB-NP Monoclonal Antibody IFA.



The WB results showed that the NP protein expressed in SF9 cells infected by the baculovirus rBev-NP can be effectively identified.



The IFA results showed that the NP protein expressed in SF9 cells infected by the baculovirus rBev-NP can be effectively identified.

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com