DATASHEET

H3N8 Avian Influenza NA Protein Mouse Monoclonal Antibody (N8_2B8)

CAT. NO. AXA0004

KEY FEATURES

Target	H3N8 Avian Influenza NA Protein	Source / Host	Mouse
Reactivity	H3N8 Avian Influenza NA Protein	Clonality	Monoclonal
Applications	IFA,Hemagglutination Inhibition	Storage	-20.0°C

BACKGROUND

The H3N8 Avian Influenza NA Protein (Neuraminidase Protein) is a key surface glycoprotein of the H3N8 avian influenza virus, functioning synergistically with hemagglutinin (HA) to facilitate viral infection and spread. It belongs to the glycoside hydrolase family 34 and exists as a homotetramer anchored in the viral envelope, with each monomer consisting of a globular catalytic domain, a stalk region, and a transmembrane domain. The core biological function of NA is to cleave sialic acid residues from glycoproteins and glycolipids on the surface of host cells and viral particles. This cleavage step serves two critical roles: first, it removes sialic acid receptors that bind to the viral HA protein, preventing the aggregation of newly formed viral particles and enabling their efficient release from infected cells; second, it aids in the penetration of the virus through the mucus layer of the host respiratory tract, enhancing viral accessibility to target epithelial cells.

APPLICATION

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

Application	Dilution Ratio
IF/ICC	1:20-1:500
Hemagglutination Inhibition	1:100-1:640

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

OVERVIEW

Description	Mouse Monoclonal antibody to H3N8 Avian Influenza NA Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Recognizes H3N8 NA protein expressed in 293T cells.
Immunogen	H3N8 Avian Influenza Virus NA Protein
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	H3N8 NA, N8 neuraminidase, Avian influenza N8 NA, AIV H3N8 neuraminidase

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

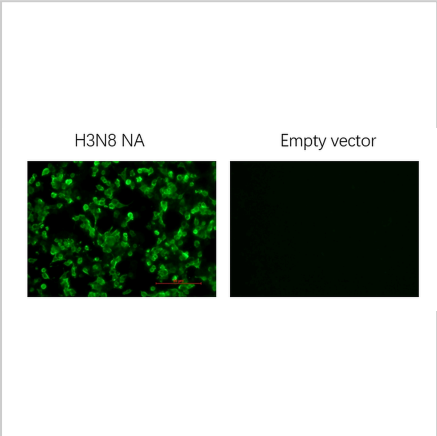
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Immunofluorescence analysis using H3N8 Avian Influenza NA Protein Mouse Monoclonal Antibody (N8_2B8) demonstrates recognition of the H3N8 NA protein expressed in 293T cells.

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