DATASHEET

H10N3 Avian Influenza HA Protein Mouse Monoclonal Antibody (H10_1F4)

CAT. NO. AXA0009

KEY FEATURES

Target	H10N3 Avian Influenza HA Protein	Source / Host	Mouse
Reactivity	H10N3 Avian Influenza HA Protein	Clonality	Monoclonal
Applications	WB,Hemagglutination Inhibition	Storage	-20.0°C

BACKGROUND

The H10N3 Avian Influenza HA Protein (Hemagglutinin Protein) is a key surface glycoprotein of the H10N3 avian influenza virus, playing an indispensable role in viral entry into host cells and immune recognition. It belongs to class I viral fusion proteins and exists as a homotrimer, with each monomer processed from a precursor (HA0) into two functional subunits (HA1 and HA2) via cleavage by host proteases. The HA1 subunit contains a conserved receptor-binding site (RBS) that specifically binds to α-2,3-linked sialic acid receptors—predominantly expressed on avian respiratory and intestinal epithelial cells. This binding event is the initial step of viral attachment, enabling the virus to anchor to target cells. The HA2 subunit, embedded in the viral envelope, mediates the fusion of the viral membrane with the host cell endosomal membrane through pH-dependent conformational changes, facilitating the release of the viral genome into the cytoplasm for replication.

APPLICATION

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

Application	Dilution Ratio
WB	1:200-1:1000
IFA	1:20-1:500
Hemagglutination Inhibition	1:1000-1:2048

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

OVERVIEW

Description	Mouse Monoclonal antibody to H10N3 Avian Influenza HA Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Recognizes H10N3 HA protein.
Immunogen	H10N3 Avian Influenza HA Protein
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	H10N3 HA, H10 hemagglutinin, Avian influenza H10 HA, AIV H10N3 hemagglutinin

*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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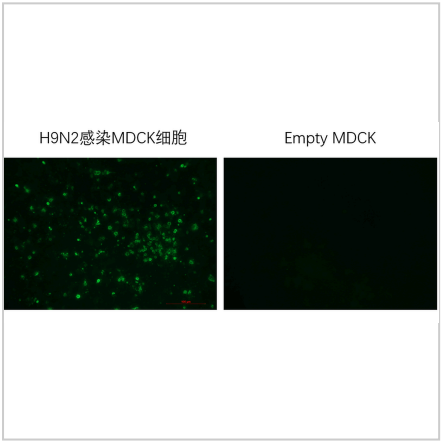
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Western blot and immunofluorescence analyses using H10N3 Avian Influenza HA Protein Mouse Monoclonal Antibody (H10_1F4) demonstrate recognition of the H10N3 HA protein.



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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