DATASHEET

H6N2 Avian Influenza HA Protein Mouse Monoclonal Antibody (H6_5G2)

CAT. NO. AXA0007

KEY FEATURES

Target	H6N2 Avian Influenza HA Protein	Source / Host	Mouse
Reactivity	H6N2 Avian Influenza HA Protein	Clonality	Monoclonal
Applications	WB,IFA,Hemagglutination Inhibition	Storage	-20.0°C

BACKGROUND

The H6N2 Avian Influenza HA Protein (Hemagglutinin Protein) is a key surface glycoprotein of the H6N2 avian influenza virus, playing a pivotal role in viral entry into host cells and pathogenesis. It belongs to class I viral fusion proteins and exists as a stable homotrimer, with each monomer composed of two non-covalently linked subunits (HA1 and HA2) that are cleaved from a precursor polypeptide (HA0) by host proteases. The HA1 subunit contains a conserved receptor-binding site (RBS) that specifically recognizes and binds to α-2,3-linked sialic acid receptors—predominantly expressed on the surface of avian respiratory and intestinal epithelial cells. This binding is the initial step of viral attachment, enabling the virus to anchor to target cells. The HA2 subunit, spanning 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 host 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
IF/ICC	1:200-1:1000
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 H6N2 Avian Influenza HA Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Recognizes H6N2 HA protein expressed in 293T cells.
Immunogen	H6N2 Avian Influenza Virus
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	H6N2 HA, H6 hemagglutinin, Avian influenza H6 HA, AIV H6N2 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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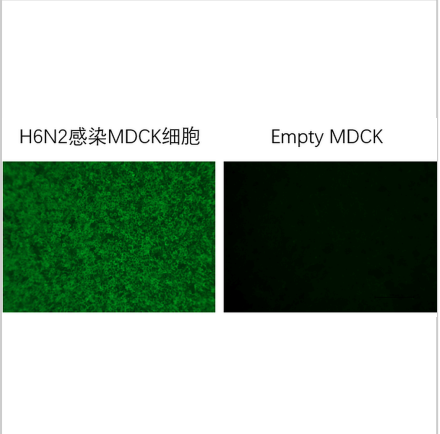
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Western blot analysis using H6N2 Avian Influenza HA Protein Mouse Monoclonal Antibody (H6_5G2) demonstrates recognition of the H6N2 HA protein expressed in 293T cells.



Immunofluorescence analysis using H6N2 Avian Influenza HA Protein Mouse Monoclonal Antibody (H6_5G2) demonstrates recognition of the H6N2 HA 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