

DATASHEET

Anti-H3N8 Avian Influenza HA Protein Mouse Monoclonal Antibody (H3_4C2)

CAT. NO. AXA0003

KEY FEATURES

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

BACKGROUND

The H3N8 Avian Influenza HA Protein (Hemagglutinin Protein) is a pivotal surface glycoprotein of the H3N8 avian influenza virus, playing a decisive role in viral entry into host cells. As a class I fusion protein, it exists as a stable homotrimer, with each monomer consisting of two functional subunits (HA1 and HA2) linked by disulfide bonds. The HA1 subunit contains the receptor-binding site (RBS), which specifically recognizes and binds to sialic acid receptors on the surface of host epithelial cells—this binding is the initial step of viral attachment. The HA2 subunit, anchored in the viral envelope, mediates the fusion of the viral membrane with the host cell endosomal membrane through pH-induced conformational changes, allowing the viral genome to enter 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	1:50-1:500
Hemagglutination Inhibition	1:1000-1:5120

*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 HA Protein
Antibody Type	Primary antibody
Immunogen	H3N8 Avian Influenza Virus HA Protein
Form/Buffer	PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	H3N8 HA, H3 hemagglutinin, Avian influenza H3 HA, AIV H3N8 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.

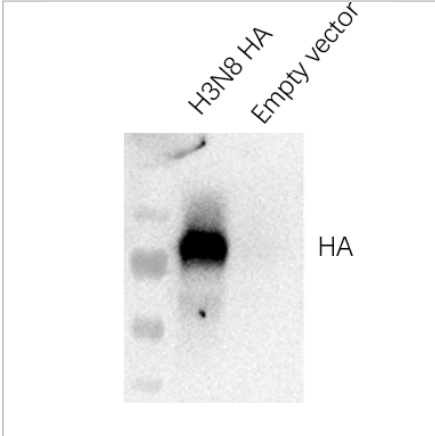
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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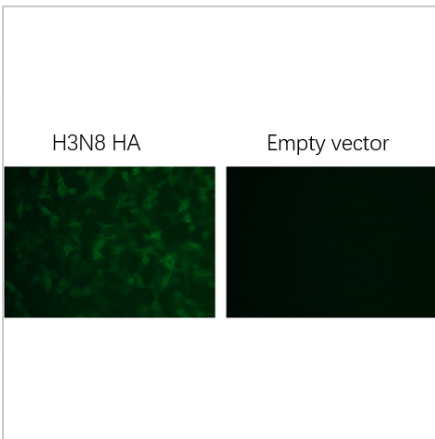
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Results from WB and IFA show that this antibody can effectively recognize the H3N8 HA protein expressed in 293T cells.



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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