DATASHEET

Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein Mouse Monoclonal Antibody (3B5)

CAT. NO. AXA0024

KEY FEATURES

Target	Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein	Source / Host	Mouse
Reactivity	FAdV-C	Clonality	Monoclonal
Applications	IFA,IP	Storage	-20.0°C

BACKGROUND

Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein is a key structural glycoprotein protruding from the viral capsid surface that plays a pivotal role in viral infection by mediating the recognition and attachment to specific receptors on host chicken cells it is a major immunogenic component of FAdV-4 contributing significantly to the induction of protective immune responses in infected hosts including the production of neutralizing antibodies its unique sequence and structural features distinguish it from Fiber proteins of other FAdV serotypes making it a specific target for serological diagnosis and epidemiological surveillance of FAdV-4 infections it also serves as a core antigen for the development of subunit vaccines and diagnostic reagents aimed at preventing and controlling hydropericardium-hepatitis syndrome caused by FAdV-4.

APPLICATION

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

Application	Dilution Ratio
IFA	1:200-1:1000
IP	1:200-1:1000

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

OVERVIEW

Description	Mouse Monoclonal antibody to Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Reacts with FAdV-4-infected LMH cells and LMH cells overexpressing FAdV-4 Fiber-1; immunoprecipitation of FAdV-4 Fiber-1 protein is reported.
Isotype	IgG
Immunogen	Prokaryotic expression product GST-Fiber-1 of FAdV-4 Fiber-1 gene
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	FAdV-4 Fiber-1, FAdV4 fiber 1, Fowl adenovirus 4 fiber-1 protein, FAdV-C fiber-1

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

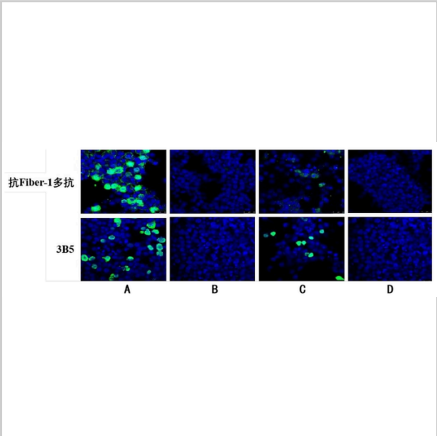
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

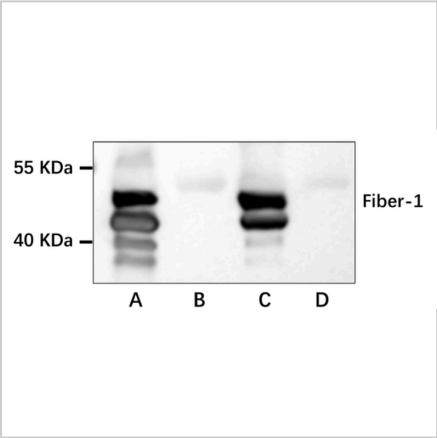
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Immunofluorescence analysis using Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein Mouse Monoclonal Antibody (3B5) demonstrates recognition of LMH cells infected with FAdV-4 and LMH cells overexpressing FAdV-4 Fiber-1. A: LMH cells infected with FAdV-4; B: LMH cells infected with FAdV-8b; C: LMH cells transfected with pcDNA3.1-Fiber-1; D: LMH cells transfected with pcDNA3.1.



Immunoprecipitation analysis using Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein Mouse Monoclonal Antibody (3B5) demonstrates immunoprecipitation of the FAdV-4 Fiber-1 protein. IP antibody: Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-1 Protein Mouse Monoclonal Antibody (3B5). WB antibody: mouse-derived anti-Fiber-1 antibody. A: LMH cells transfected with pcDNA3.1-Fiber-1; B: LMH cell control transfected with pcDNA3.1; C: LMH cells infected with FAdV-4-WT; D: uninfected LMH cell control.

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