DATASHEET

Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-2 Protein Mouse Monoclonal Antibody (3C2)

CAT. NO. AXA0026

KEY FEATURES

Target	Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-2 Protein	Source / Host	Mouse
Reactivity	FAdV-C (FAdV-4/10) Fiber-2 Protein	Clonality	Monoclonal
Applications	IFA,IP	Storage	-20.0°C

BACKGROUND

Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-2 Protein is a key structural protein of Fowl Adenovirus Serotype 4, a non-enveloped double-stranded DNA virus with an icosahedral capsid (70-90 nm in diameter) that protrudes one or two fiber proteins. It plays a critical role in viral entry by recognizing and binding to specific receptors on host cell surfaces. It exhibits strong immunogenicity, capable of inducing neutralizing antibodies in the host—subunit vaccines based on this protein can provide 100% protection for SPF chickens against FAdV-4 challenge when the immunizing antigen dose ranges from 25-100 μg per chicken. It has significant applications in FAdV-4 detection and vaccine development: the indirect ELISA antibody detection method established with this protein is sensitive, specific and accurate for quantifying antibody levels in immunized chickens; its subunit vaccines offer advantages like high safety and simple preparation processes compared to traditional attenuated or inactivated vaccines, making it a promising direction for FAdV-4 vaccine research.

APPLICATION

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

Application	Dilution Ratio
WB	1:2000-1:5000
IFA	1:200-1:1000
IP	1:500-1:1000

*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-2 Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Reacts with LMH cells infected with FAdV-4 and FAdV-10; immunoprecipitation of Fiber-2 protein from both viruses is reported.
Isotype	IgG
Immunogen	Prokaryotic expression product GST-Fiber-2 of FAdV-4 Fiber-2 gene
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	FAdV-4 Fiber-2, FAdV4 fiber 2, Fowl adenovirus 4 fiber-2 protein, FAdV-C fiber-2

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

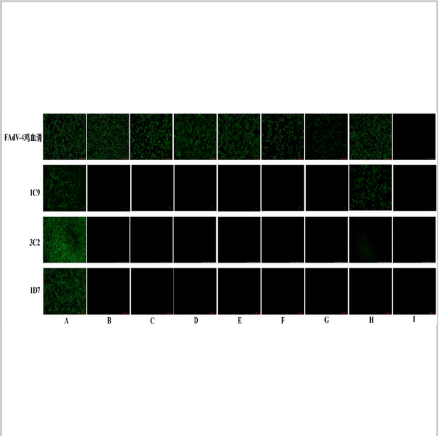
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

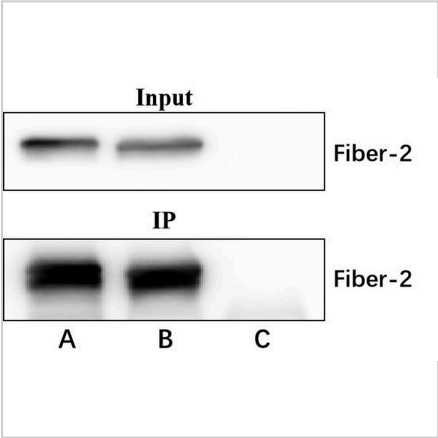
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DATA



Immunofluorescence analysis using Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-2 Protein Mouse Monoclonal Antibody (3C2) demonstrates recognition of LMH cells infected with FAdV-4 and FAdV-10.



Immunoprecipitation analysis using Serotype 4 Fowl Adenovirus (FAdV-4) Fiber-2 Protein Mouse Monoclonal Antibody (3C2) demonstrates immunoprecipitation of the Fiber-2 protein of FAdV-4 and FAdV-10.

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