DATASHEET

Feline Panleukopenia Virus (FPV) VP2 Protein Mouse Monoclonal Antibody (3G4)

CAT. NO. AXA0046

KEY FEATURES

Target	Feline Panleukopenia Virus (FPV) VP2 Protein	Source / Host	Mouse
Reactivity	FPV VP2 Protein	Clonality	Monoclonal
Applications	IF/ICC,Neutralization	Storage	-20.0°C

BACKGROUND

Feline Panleukopenia Virus (FPV) VP2 Protein is the major capsid protein of FPV, a highly contagious single-stranded DNA virus belonging to the Parvoviridae family that causes severe, often fatal disease in cats, especially kittens and immunocompromised individuals. As the most abundant structural component of the viral capsid, accounting for over 90% of its total protein content, VP2 is encoded by the viral VP gene and has a molecular weight of approximately 60 kDa, playing pivotal roles in viral structure, host infection, immune recognition, and pathogenicity.

APPLICATION

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

Application	Dilution Ratio
IF/ICC	1:100-1:1000
Neutralization	1:20-1:200

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

OVERVIEW

Description	Mouse Monoclonal antibody to Feline Panleukopenia Virus (FPV) VP2 Protein
Antibody Type	Primary antibody, Monoclonal
Specificity	Reactivity demonstrated with FPV-infected cells by immunofluorescence.
Isotype	IgG2a
Immunogen	FPV Whole Virus
Form/Buffer	Liquid in PBS, 20% Glycerol; preservative: 0.05% Sodium Azide
Alternative Names	FPV VP2, Feline parvovirus VP2, FPLV VP2, Feline panleukopenia virus capsid protein VP2

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

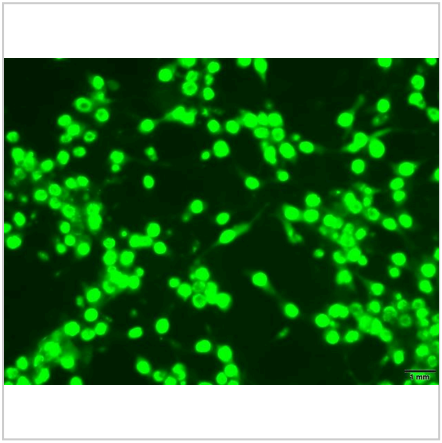
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA



Immunofluorescence analysis using Feline Panleukopenia Virus (FPV) VP2 Protein Mouse Monoclonal Antibody (3G4) demonstrates recognition of FPV-infected 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