

Datasheet: 4413-5107

BATCH NUMBER 168447

Description:	MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS p24
Specificity:	FELINE IMMUNODEFICIENCY VIRUS p24
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	NM3-6A9
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/100
ELISA	▪			0.5 µg/well
Western Blotting	▪			1/25 - 1/200

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0mg/ml
Immunogen	Native, extracts

RRID	AB_616984
Specificity	<p>Mouse anti Feline immunodeficiency virus p24 antibody, clone NM3-6A9 recognizes feline immunodeficiency virus (FIV) p24 <i>gag</i> capsid protein, derived from the p50 GAG polyprotein. The p24 capsid protein forms the conical viral core encapsulating the genomic RNA-nucleocapsid complex and is involved in viral packaging and subsequent release from infected cells. FIV is a lentivirus infecting many domestic and wild cat species, resulting in a progressive immunodeficiency disease bearing a number of parallels with HIV-1 infection in man (Sparger et al. 1989).</p> <p>Mouse anti Feline immunodeficiency virus p24 antibody, clone NM3-6A9 does not recognise Feline Leukemia Virus, Feline Herpes Virus type 1, Feline Coronavirus or Feline Calicivirus.</p> <p>Mouse anti feline immunodeficiency virus p24, clone NM3-6A9 recognizes a different epitope to clone PAK3-2C1.</p>
Western Blotting	4413-5107 detects a major band of approximately 24kDa
Further Reading	<ol style="list-style-type: none"> 1. Kenyon, J.C. and Lever, A.M. (2011) The molecular biology of feline immunodeficiency virus (FIV). Viruses. 3: 2192-213. 2. Lutge, B.G. and Freed, E.O. (2010) FIV Gag: virus assembly and host-cell interactions. Vet Immunol Immunopathol. 134: 3-13. 3. Willett, B.J. <i>et al.</i> (1997) FIV infection of the domestic cat: an animal model for AIDS. Immunol Today. 18: 182-9.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/4413-5107 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Useful Reagents

[MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS p24 gag \(MCA2278\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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