

Datasheet: 4413-5107

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

Specificity **Mouse anti Feline immunodeficiency virus p24 antibody, clone NM3-6A9** recognizes feline immunodeficiency virus (FIV) p24 *gag* 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](#)).

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.

Mouse anti feline immunodeficiency virus p24, clone NM3-6A9 recognizes a different epitope to clone [PAK3-2C1](#).

Western Blotting 4413-5107 detects a major band of approximately 24kDa

Further Reading

1. Kenyon, J.C. and Lever, A.M. (2011) The molecular biology of feline immunodeficiency virus (FIV). [Viruses. 3: 2192-213.](#)
2. Luttge, 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. *et al.* (1997) FIV infection of the domestic cat: an animal model for AIDS. [Immunol Today. 18: 182-9.](#)

Storage 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M388998:210806'

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