

## Datasheet: 4413-5107

<b>Description:</b>	MOUSE ANTI FELINE IMMUNODEFICIENCY VIRUS p24
<b>Specificity:</b>	FELINE IMMUNODEFICIENCY VIRUS p24
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	NM3-6A9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Viral
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	1.0mg/ml
<b>Immunogen</b>	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: <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 \(MCA2278\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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

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