

## 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>	0.05% 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](#).

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<b>Western Blotting</b>	4413-5107 detects a major band of approximately 24kDa
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Kenyon, J.C. and Lever, A.M. (2011) The molecular biology of feline immunodeficiency virus (FIV). <a href="#">Viruses. 3: 2192-213.</a></li><li>2. Luttge, B.G. and Freed, E.O. (2010) FIV Gag: virus assembly and host-cell interactions. <a href="#">Vet Immunol Immunopathol. 134: 3-13.</a></li><li>3. Willett, B.J. <i>et al.</i> (1997) FIV infection of the domestic cat: an animal model for AIDS. <a href="#">Immunol Today. 18: 182-9.</a></li></ol>
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<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Shelf Life</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Human Anti Mouse IgG1 (HCA036...)	<a href="#">HRP</a>

### Recommended Useful Reagents

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

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