

Datasheet: 4413-5107

**BATCH NUMBER 170714**

|                      |  |
|----------------------|--|
| <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  |

|                                      |  |
|--------------------------------------|--|
| <b>RRID</b>                          | AB_616984  |
| <b>Specificity</b>                   | <p><b>Mouse anti Feline immunodeficiency virus p24 antibody, clone NM3-6A9</b> recognizes feline immunodeficiency virus (FIV) p24 <i>gag</i> capsid protein, derived from the p50 <a href="#">GAG polyprotein</a>. The p24 capsid protein forms the conical viral core encapsulating the <a href="#">genomic RNA-nucleocapsid complex</a> and is involved in viral packaging and subsequent <a href="#">release</a> from infected cells. FIV is a lentivirus infecting many domestic and <a href="#">wild</a> cat species, resulting in a progressive immunodeficiency disease bearing a number of parallels with HIV-1 infection in man (<a href="#">Sparger et al. 1989</a>).</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 <a href="#">PAK3-2C1</a>.</p> |
| <b>Western Blotting</b>              | 4413-5107 detects a major band of approximately 24kDa  |
| <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. Lutge, 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>   |
| <b>Storage</b>                       | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>   |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/4413-5107">https://www.bio-rad-antibodies.com/SDS/4413-5107</a><br>10040  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|   |                      |
|---|----------------------|
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>  |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">HRP</a>  |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>  |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a> |

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

Goat Anti Mouse IgG (STAR77...) [HRP](#)

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

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

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

## Recommended Useful Reagents

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

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

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)  
'M363097:200528'

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