

Datasheet: MCA2551

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| Description: | MOUSE ANTI FELINE LEUKAEMIA VIRUS p27 |
| Specificity: | FELINE LEUKAEMIA VIRUS p27 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | PF12J-10A |
| Isotype: | IgG1 |
| Quantity: | 0.25 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 | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | ▪ | | | 1/100 |
| ELISA | ▪ | | | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 1/1,500 |

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 appropriate negative/positive controls.

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| 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 | IgG concentration 1.0mg/ml |

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| External Database Links | UniProt: O89811 Related reagents |
| RRID | AB_619996 |
| Specificity | <p>Mouse anti Feline Leukaemia Virus p27 antibody, clone PF12J-10A recognizes feline leukaemia virus (FeLV) p27 core protein (p27).</p> <p>The oncoretrovirus FeLV is responsible for both neoplastic and non-neoplastic conditions, often resulting in a poor prognosis and fatal outcome for cats persistently infected. During persistent infection the virus, soluble viral antigens and antigen containing white blood cells are continuously present in the blood and diagnosis is mainly based upon detection of the p27 antigen - using ELISA to test for p27 as it circulates free in the bloodstream, and Immunofluorescence to detect p27 within the infected white cells.</p> |
| Western Blotting | MCA2551 detects a band of approximately 28kDa under reducing conditions. A strong band of 80kDa representing glycosylated FeLV gag gene product may also be present. |
| References | <ol style="list-style-type: none"> 1. Kipar, A. <i>et al.</i> (2000) Expression of viral proteins in feline leukemia virus-associated enteritis. Vet Pathol. 37 (2): 129-36. 2. Kipar, A. <i>et al.</i> (2001) Comparative examination of cats with feline leukemia virus-associated enteritis and other relevant forms of feline enteritis. Vet Pathol. 38 (4): 359-71. 3. Kipar, A. <i>et al.</i> (1998) Fatal enteritis associated with coronavirus infection in cats. J Comp Pathol. 119 (1): 1-14. |
| 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: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|-----------------------------------|-----------------------------|
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight@800 |
| Goat Anti Mouse IgG (STAR70...) | FITC |

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
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](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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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
'M389439:210806'

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