

Datasheet: MCA1897

**BATCH NUMBER 159107**

<b>Description:</b>	MOUSE ANTI FELINE LEUKAEMIA VIRUS gp70
<b>Specificity:</b>	FELINE LEUKAEMIA VIRUS gp70
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C11D8
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin	▪			
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using 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
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q85525</a> <a href="#">Related reagents</a>
<b>RRID</b>	AB_323078
<b>Specificity</b>	<p><b>Mouse anti Feline Leukemia Virus gp70 antibody, clone C11D8</b> recognizes the gp85/gp70 envelope glycoprotein of feline leukemia virus. The antibody specifically recognizes the epitope defined by amino acids 214-218 of the gp70 sequence (aa MGPLL).</p> <p>Some weak cross-reactivity with the sequence MGPLL found in the FeLV p15e membrane protein may also occur.</p> <p>This antibody effectively neutralizes all three FeLV subgroups (A,B and C).</p> <p>Removal of the preservative is recommended prior to use in functional assays.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Grant, C.K. <i>et al.</i> (1983) Feline leukemia virus envelope gp70 of subgroups B and C defined by monoclonal antibodies with cytotoxic and neutralizing functions. <a href="#">J Immunol. 131 (6): 3042-8.</a></li> <li>Buchmann, A.U. <i>et al.</i> (2010) Does a Feline Leukemia Virus Infection Pave the Way for <i>Bartonella henselae</i> Infection in Cats? <a href="#">J Clin Microbiol. 48: 3295-300.</a></li> <li>Rolim, V.M. <i>et al.</i> (2016) Myocarditis caused by Feline Immunodeficiency Virus in Five Cats with Hypertrophic Cardiomyopathy. <a href="#">J Comp Pathol. 154 (1): 3-8.</a></li> <li>Cristo, T.G. <i>et al.</i> (2019) Feline Leukaemia Virus Associated with Leukaemia in Cats in Santa Catarina, Brazil. <a href="#">J Comp Pathol. 170: 10-21.</a></li> </ol>
<b>Storage</b>	<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>
<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/MCA1897">https://www.bio-rad-antibodies.com/SDS/MCA1897</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

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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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