

Datasheet: MCA1897

BATCH NUMBER 170721

Description:	MOUSE ANTI FELINE LEUKAEMIA VIRUS gp70
Specificity:	FELINE LEUKAEMIA VIRUS gp70
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C11D8
Isotype:	IgG2b
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	▪			
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.

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	0.05% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

External Database Links	UniProt: Q85525 Related reagents
RRID	AB_323078
Specificity	<p>Mouse anti Feline Leukemia Virus gp70 antibody, clone C11D8 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>
References	<ol style="list-style-type: none"> 1. 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. J Immunol. 131 (6): 3042-8. 2. 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? J Clin Microbiol. 48: 3295-300. 3. Rolim, V.M. <i>et al.</i> (2016) Myocarditis caused by Feline Immunodeficiency Virus in Five Cats with Hypertrophic Cardiomyopathy. J Comp Pathol. 154 (1): 3-8. 4. Cristo, T.G. <i>et al.</i> (2019) Feline Leukaemia Virus Associated with Leukaemia in Cats in Santa Catarina, Brazil. J Comp Pathol. 170: 10-21.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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/MCA1897
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M365868:200529'

Printed on 02 Jul 2025

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