

## Datasheet: MCA2038F

**BATCH NUMBER 166368**

<b>Description:</b>	MOUSE ANTI CAT CD5:FITC
<b>Specificity:</b>	CD5
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	FE1.1B11
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 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	▪			Neat - 1/10

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.

<b>Target Species</b>	Cat		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% sodium azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% bovine serum albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		

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**Specificity** **Mouse anti Cat CD5 antibody, clone FE1.1B11** recognizes feline CD5, a 67kDa cell surface glycoprotein expressed by peripheral T lymphocytes and thymocytes.

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**Flow Cytometry** Use 10µl of the suggested working dilution to label 10<sup>6</sup> cells in 100µl

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**References**

1. Roccabianca, P. *et al.* (2000) Characterization of the diffuse mucosal associated lymphoid tissue of feline small intestine. [Vet Immunol Immunopathol. 75 \(1-2\): 27-42.](#)
2. Riondato, F. *et al.* (2003) Effects of interferon alpha (INF-alpha) therapy on peripheral blood lymphocyte subsets from FIV and FeLV naturally infected cats. [Vet Res Commun. 27: 429-32.](#)
3. Affolter, V.K. and Moore, P.F. (2006) Feline progressive histiocytosis. [Vet Pathol. 43: 646-55.](#)
4. Roccabianca, P. *et al.* (2006) Feline large granular lymphocyte (LGL) lymphoma with secondary leukemia: primary intestinal origin with predominance of a CD3/CD8(alpha) (alpha) phenotype. [Vet Pathol. 43: 15-28.](#)
5. Abkowitz, J.L. *et al.* (2009) In utero transplantation of monocytic cells in cats with alpha-mannosidosis. [Transplantation. 88: 323-9.](#)
6. Guzera, M. *et al.* (2016) The use of flow cytometry for immunophenotyping lymphoproliferative disorders in cats: a retrospective study of 19 cases. [Vet Comp Oncol. 14 Suppl 1: 40-51.](#)
7. Rütgen, B.C. *et al.* (2022) Composition of lymphocyte subpopulations in normal and mildly reactive peripheral lymph nodes in cats. [J Feline Med Surg. 24 \(2\): 77-90.](#)
8. Cha, S. *et al.* (2023) Non-B, Non-T Acute Lymphoblastic Leukemia in a Cat [Journal of Veterinary Clinics. 40 \(4\): 298-302.](#)
9. Rütgen, B.C. *et al.* (2024) Flowcytometric data of intermediate-large cell gastrointestinal lymphoma presenting a gross mass in 32 cats – “let them glow in the flow” [Frontiers in Veterinary Science. 28 May \[Epub ahead of print\].](#)

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**Storage** 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2038F>  
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**Regulatory** For research purposes only

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## Related Products

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA1209F\)](#)

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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](https://bio-rad-antibodies.com/datasheets)

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