

Datasheet: MCA2038F

BATCH NUMBER 172439

Description:	MOUSE ANTI CAT CD5:FITC
Specificity:	CD5
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	FE1.1B11
Isotype:	IgG1
Quantity:	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.

	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.

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

RRID AB_323962

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

Flow Cytometry Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

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". [Front Vet Sci. 11: 1378826.](#)
10. Wolfesberger, B. *et al.* (2024) Immunophenotype investigation in feline intestinal non-B-cell lymphoma. [J Comp Pathol. 212: 20-26.](#)

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.

Guarantee 12 months from date of despatch

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

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

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

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

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Printed on 23 Apr 2026

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