

Datasheet: MCA2038PE

BATCH NUMBER 171261

Description:	MOUSE ANTI CAT CD5:RPE
Specificity:	CD5
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	FE1.1B11
Isotype:	IgG1
Quantity:	100 TESTS

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 R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
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		
	5% sucrose		

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 10 ⁶ cells in 100µl
References	1. Roccabianca, P. <i>et al.</i> (2000) Characterization of the diffuse mucosal associated lymphoid tissue of feline small intestine. Vet Immunol Immunopathol. 75 (1-2): 27-42. 2. Riondato, F. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (2009) In utero transplantation of monocytic cells in cats with alpha-mannosidosis. Transplantation. 88: 323-9. 6. Guzera, M. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (2023) Non-B, Non-T Acute Lymphoblastic Leukemia in a Cat Journal of Veterinary Clinics. 40 (4): 298-302. 9. Rütgen, B.C. <i>et al.</i> (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. <i>et al.</i> (2024) Immunophenotype investigation in feline intestinal non-B-cell lymphoma. J Comp Pathol. 212: 20-26.
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. This product should be stored undiluted. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA2038PE
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA1209PE\)](#)

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

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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