

Datasheet: MCA2038PE

BATCH NUMBER INN1710

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 antibody 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 antibody 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		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
	5% Sucrose		

RRID AB_324002

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 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

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.](#)

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>
20487

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

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

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