

Datasheet: MCA2052

BATCH NUMBER 165113

Description:	MOUSE ANTI CAT CD8 ALPHA
Specificity:	CD8 ALPHA
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	FE1.10E9
Isotype:	IgG1
Quantity:	2 ml

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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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	Tissue culture supernatant - liquid
Preservative Stabilisers	<0.1% sodium azide (NaN ₃)

External Database Links

UniProt:

[P41688](#)

[Related reagents](#)

Entrez Gene:

[493799](#)

CD8A

[Related reagents](#)

RRID	AB_2075655
Specificity	<p>Mouse anti Cat CD8 alpha antibody, clone FE1.10E9 recognizes the feline homolog of CD8 alpha and detects a broad band between 28-32 kDa by immunoprecipitation (Woo et al. 1997).</p> <p>CD8 exists as an alpha/beta heterodimer and is expressed on a subpopulation of T lymphocytes.</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Woo, J.C. & Moore, P.F. (1997) A feline homologue of CD1 is defined using a feline-specific monoclonal antibody. Tissue Antigens. 49 (3 Pt 1): 244-51. 2. Woo, J.C. et al. (1997) Immunopathologic changes in the thymus during the acute stage of experimentally induced feline immunodeficiency virus infection in juvenile cats. J Virol. 71 (11): 8632-41. 3. Stein, V.M. et al. (2012) Miglustat improves purkinje cell survival and alters microglial phenotype in feline Niemann-Pick disease type C. J Neuropathol Exp Neurol. 71 (5): 434-48. 4. Martini, V. et al. (2018) Flow cytometry for feline lymphoma: a retrospective study regarding pre-analytical factors possibly affecting the quality of samples. J Feline Med Surg. 20 (6): 494-501.
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10055 available at: https://www.bio-rad-antibodies.com/SDS/MCA2052 10055
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

[MOUSE IgG1 NEGATIVE CONTROL \(MCA1209\)](#)

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

'M412617:221114'

Printed on 18 Jan 2024

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