

## Datasheet: MCA2052

|                      |                          |
|----------------------|--------------------------|
| <b>Description:</b>  | MOUSE ANTI CAT CD8 ALPHA |
| <b>Specificity:</b>  | CD8 ALPHA                |
| <b>Format:</b>       | S/N                      |
| <b>Product Type:</b> | Monoclonal Antibody      |
| <b>Clone:</b>        | FE1.10E9                 |
| <b>Isotype:</b>      | IgG1                     |
| <b>Quantity:</b>     | 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](http://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.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Cat   |
| <b>Product Form</b>             | Tissue culture supernatant - liquid   |
| <b>Preservative Stabilisers</b> | <0.1% sodium azide (NaN <sub>3</sub> )  |
| <b>External Database Links</b>  | <p><b>UniProt:</b><br/> <a href="#">P41688</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">493799</a>    CD8A    <a href="#">Related reagents</a></p> |

RRID AB\_2075655

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**Specificity** **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](#)).

CD8 exists as an alpha/beta heterodimer and is expressed on a subpopulation of T lymphocytes.

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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. 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.](#)

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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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10055 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2052>  
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**Regulatory** For research purposes only

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## 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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find a

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'M418615:230427'

**Printed on 12 Aug 2023**

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