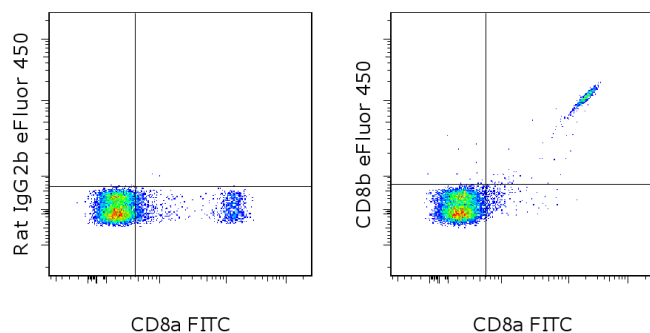


## Anti-Mouse CD8b eFluor<sup>®</sup> 450

**Catalog Number:** 48-0083

**Also known as:** CD8 beta, Ly-3, Ly-C, Lyt-3

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Staining of C57Bl/6 splenocytes with Anti-Mouse CD8a FITC (cat. 11-0081) and 0.125 ug of Rat IgG2b K Isotype Control eFluor<sup>®</sup> 450 (cat. 48-4031) (left) or 0.125 ug of Anti-Mouse CD8b eFluor<sup>®</sup> 450 (right). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD8b eFluor<sup>®</sup> 450



**Catalog Number:** 48-0083

**Clone:** eBioH35-17.2 (H35-17.2)

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rat IgG2b, kappa

**Formulation:** aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Contains sodium azide**



### Description

The eBioH35-17.2 monoclonal antibody reacts with the mouse CD8 beta molecule. The CD8 beta chain associates with the CD8 alpha chain to form the CD8 alpha/beta heterodimer expressed on the surface of a majority of thymocytes, and on peripheral cytotoxic alpha beta TCR T cells. CD8 binds to MHC class I and plays a role in T cell development and activation of mature T cells.

### Applications Reported

This H35-17.2 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This H35-17.2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**eFluor<sup>®</sup> 450 is a replacement for Pacific Blue<sup>®</sup>. eFluor<sup>®</sup> 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

### References

Lefrancois L. Phenotypic complexity of intraepithelial lymphocytes of the small intestine. *J Immunol.* 1991 Sep 15;147(6):1746-51. (H35-17.2, FC, PubMed)

Ledbetter JA, Seaman WE, Tsu TT, Herzenberg LA. Lyt-2 and lyt-3 antigens are on two different polypeptide subunits linked by disulfide bonds. Relationship of subunits to T cell cytolytic activity. *J Exp Med.* 1981 Jun 1;153(6):1503-16.

Golstein P, Goridis C, Schmitt-Verhulst AM, Hayot B, Pierres A, van Agthoven A, Kaufmann Y, Eshhar Z, Pierres M. Lymphoid cell surface interaction structures detected using cytolysis-inhibiting monoclonal antibodies. *Immunol Rev.*

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1982;68:5-42. Review.

Tarleton RL, Sun J, et al. 1994. Depletion of T-cell subpopulations results in exacerbation of myocarditis and parasitism in experimental Chagas' disease. *Infect Immun.* 62(5):1820-9. (H35-17.2, IHC frozen, PubMed)

Thoma-Uszynski S, Emoto M, and Kaufmann SH. 1997. CD8alphaalpha T cells in lesions of *Listeria monocytogenes*-infected beta2m-deficient mice. *Microb Pathog.* 23(2):101-6. (H35-17.2, IHC frozen, PubMed)

### Related Products

11-0081 Anti-Mouse CD8a FITC (53-6.7)

48-4031 Rat IgG2b K Isotype Control eFluor® 450

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