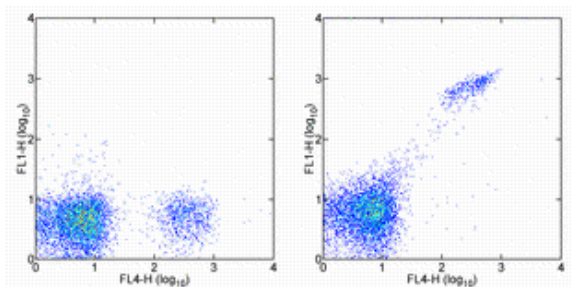


Anti-Mouse CD8b Alexa Fluor[®] 488

Catalog Number: 53-0083

Also Known As: CD8 beta, Ly-3, Ly-C, Lyt-3

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



Staining of BALB/c splenocytes with Anti-Mouse CD8a APC (cat. 17-0081) and 0.125 μ g of Rat IgG2b K Isotype Control Alexa Fluor[®] 488 (cat. 53-4031) (left) or 0.125 μ g of Anti-Mouse CD8b Alexa Fluor[®] 488 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD8b Alexa Fluor[®] 488


REF Catalog Number: 53-0083

Clone: eBioH35-17.2 (H35-17.2)


Concentration: 0.5 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.

LOT 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 eBioH35-17.2 (H35-17.2) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioH35-17.2 (H35-17.2) antibody has been tested by flow cytometric analysis of mouse splenocytes and thymocytes. This can be used at less than or equal to 0.25 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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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.* 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

17-0081 Anti-Mouse CD8a APC (53-6.7)

53-4031 Rat IgG2b K Isotype Control Alexa Fluor[®] 488

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