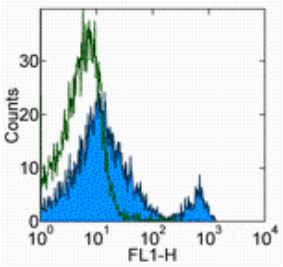
full spectrum cell analysis®
eBioscience®

Anti-Mouse CD8b Purified

Catalog Number: 14-0083
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 0.25 ug of Rat IgG2b Isotype Control Purified (cat. 14-4031) (open histogram) or 0.25 ug of Purified Anti-Mouse CD8b Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD8b Purified
REF Catalog Number: 14-0083
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.
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, immunoprecipitation, and immunohistochemical staining of frozen tissue sections.

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 0.5 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 10^5 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

11-4811 Anti-Rat IgG FITC
14-4031 Rat IgG2b K Isotype Control Purified

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