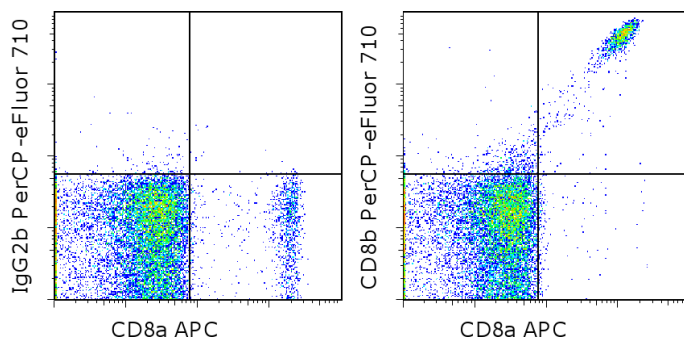


Anti-Mouse CD8b PerCP-eFluor[®] 710

Catalog Number: 46-0083

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 APC (cat. 17-0081) and 0.06 ug of Rat IgG2b K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4031) (left) or 0.06 ug of Anti-Mouse CD8b PerCP-eFluor[®] 710 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD8b PerCP-eFluor[®] 710



Catalog Number: 46-0083

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 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. This can be used at less than or equal to 0.06 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 uL cell sample + 100 uL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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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)

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Related Products

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

46-4031 Rat IgG2b K Isotype Control PerCP-eFluor® 710

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