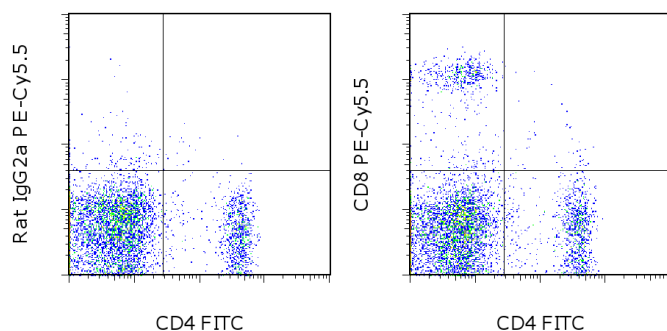


Anti-Mouse CD8a PE-Cyanine5.5

Catalog Number: 35-0081

Also known as: CD8 alpha, Ly-2, Ly-35, Ly-B, Lyt-2

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



Staining of BALB/c splenocytes with Anti-Mouse CD4 FITC (cat. 11-0041) and 0.06 ug of Rat IgG2a K Isotype Control PE-Cyanine5.5 (cat. 35-4321) (left) or 0.06 ug of Anti-Mouse CD8a PE-Cyanine5.5 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD8a PE-Cyanine5.5



Catalog Number: 35-0081

Clone: 53-6.7

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2a, 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 53-6.7 monoclonal antibody reacts with the mouse CD8a molecule. CD8a is an approximately 32-34 kDa cell surface receptor expressed either as a heterodimer with the CD8 beta chain (CD8 alpha beta) or as a homodimer (CD8 alpha alpha). A majority of thymocytes and a subpopulation of mature alpha beta TCR T cells express CD8 alpha beta while gamma delta TCR T cells, a subpopulation of intestinal intraepithelial lymphocytes (IELs) and dendritic cells express CD8 alpha alpha. CD8 binds to MHC class I and through its association with protein tyrosine kinase p56lck plays a role in T cell development and activation of mature T cells.

Applications Reported

This 53-6.7 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 53-6.7 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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.

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Infect Immun. 2005 Aug;73(8):5189-93. (53-6.7, IHC frozen)

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Ledbetter JA, Rouse RV, Micklem HS, Herzenberg LA. T cell subsets defined by expression of Lyt-1,2,3 and Thy-1 antigens. Two-parameter immunofluorescence and cytotoxicity analysis with monoclonal antibodies modifies current views. J Exp Med. 1980 Aug 1;152(2):280-95.

Ledbetter, J. A. and L. A. Herzenberg. Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens. Immunol Rev. 1979;47:63-90.

Related Products

00-4300 10X RBC Lysis Buffer (Multi-species)

11-0041 Anti-Mouse CD4 FITC (GK1.5)

35-4321 Rat IgG2a K Isotype Control PE-Cyanine5.5 (eBR2a)

48-0031 Anti-Mouse CD3e eFluor® 450 (145-2C11)

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