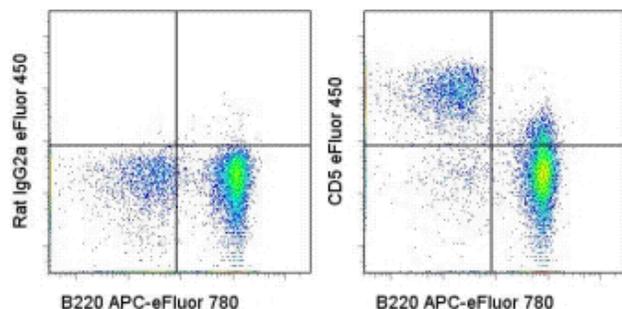


Anti-Mouse CD5 eFluor[®] 450

Catalog Number: 48-0051

Also Known As: Ly-1, Ly-12, Ly-A, Lyt-1

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC-eFluor[®] 780 (cat. 47-0452) and 0.06 μ g of Rat IgG2a K Isotype Control eFluor[®] 450 (cat. 48-4321) (left) or 0.06 μ g of Anti-Mouse CD5 eFluor[®] 450 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD5 eFluor[®] 450

REF **Catalog Number:** 48-0051

Clone: 53-7.3

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

 **Caution, contains Azide**

Description

The 53-7.3 monoclonal antibody reacts with mouse CD5, a 67 kDa protein expressed by a majority of thymocytes, mature T cells and a subset of B cells. The expression of CD5 by a small subset of B cells characterizes a developmentally and functionally distinct lineage of B cells called B-1 cells. CD5 is a counter-receptor for CD72 and plays a role in the T-B cell interaction.

Applications Reported

This 53-7.3 antibody has been reported for use in flow cytometric analysis.

eFluor[®] 450 is a replacement for Pacific Blue[®]. eFluor[®] 450 emits at 456 nm and is excited with the Violet laser. Please make sure that your instrument is capable of detecting this fluorochrome.

Applications Tested

This 53-7.3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 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.

eFluor[™] 450 is a replacement for Pacific Blue[®]. eFluor[™] 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

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 JA, Herzenberg LA. Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens. *Immunol Rev.* 1979;47:63-90.

Related Products

45-0031 Anti-Mouse CD3e PerCP-Cy5.5 (145-2C11)

47-0452 Anti-Human/Mouse CD45R (B220) APC-eFluor[®] 780 (RA3-6B2)

48-4321 Rat IgG2a K Isotype Control eFluor[®] 450 (eBR2a)

Not for further distribution without written consent.

Copyright © 2000-2010 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com