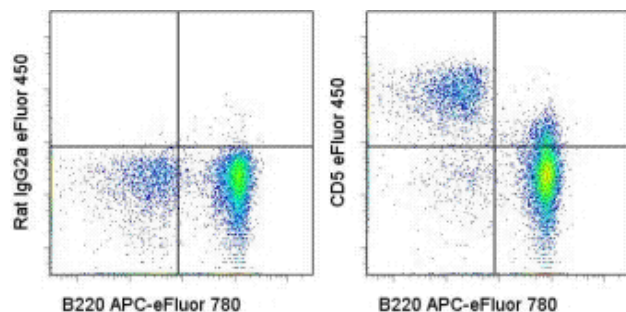


## Anti-Mouse CD5 eFluor® 450

**Catalog Number:** 48-0051

**Also Known As:** Ly-1, Ly-12, Ly-A, Lyl-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 µg of Rat IgG2a K Isotype Control eFluor® 450 (cat. 48-4321) (left) or 0.06 µg 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.

**LOT** **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 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<sup>5</sup> to 10<sup>8</sup> 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 Lyl-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)

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