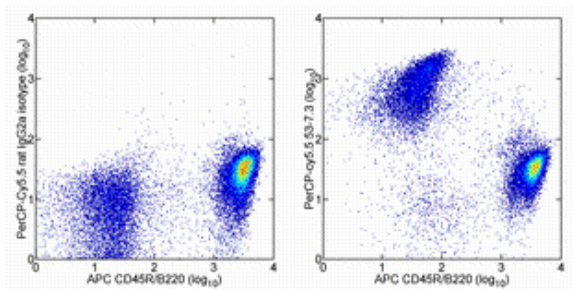


Anti-Mouse CD5 PerCP-Cyanine5.5

Catalog Number: 45-0051

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 (cat. 17-0452) and 0.06 ug of Rat IgG2a K Isotype Control PerCP-Cyanine5.5 (cat. 45-4321) (left) or 0.06 ug of Anti-Mouse CD5 PerCP-Cyanine5.5 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD5 PerCP-Cyanine5.5


REF **Catalog Number:** 45-0051

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 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

17-0452 Anti-Human/Mouse CD45R (B220) APC (RA3-6B2)

45-4321 Rat IgG2a K Isotype Control PerCP-Cyanine5.5 (eBR2a)

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