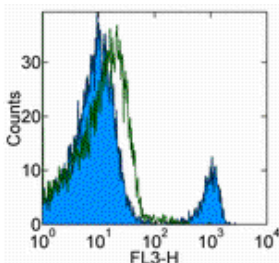


## Anti-Mouse CD8a PerCP-Cy5.5

**Catalog Number:** 45-0081

**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 C57BL/6 splenocytes with 0.125 ug of Rat IgG2a K Isotype Control PerCP-Cyanine5.5 (cat. 45-4321) (open histogram) or 0.125 ug of Anti-Mouse CD8a PerCP-Cyanine5.5 (filled histogram). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD8a PerCP-Cy5.5


**REF** **Catalog Number:** 45-0081

**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.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Caution, contains 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 0.25 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.

### References

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

90.

**Related Products**

45-0088 Anti-Human CD8a PerCP-Cyanine5.5 (RPA-T8)

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

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