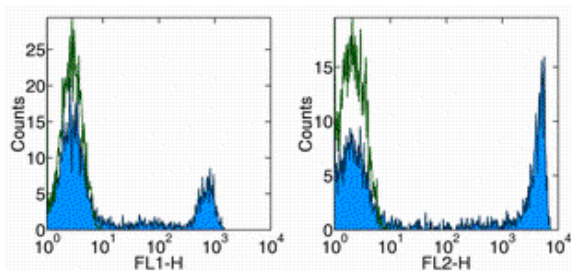


## Anti-Human CD8a PE

**Catalog Number:** 12-0089

**Also Known As:** CD8 alpha, leu-2a

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



Staining of normal human peripheral blood cells with staining buffer (autofluorescence) (open histogram), and Anti-Human CD8a FITC (cat. 11-0089) (left, filled histogram), or Anti-Human CD8a PE (right, filled histogram). Cells in the lymphocyte population were used for analysis.

### Product Information

**Contents:** Anti-Human CD8a PE

**REF** **Catalog Number:** 12-0089


**Clone:** HIT8a

**Concentration:** 5 µL (0.06 µg)/test

**Host/Isotype:** Mouse IgG1, kappa

**HLDA Workshop:** V 5T-CD08.10

**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 HIT8a monoclonal antibody reacts with the human CD8a molecule, 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 T cells and NK cells express CD8a. 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

The HIT8a antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This HIT8a antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 5 µL (0.06 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.

### References

Schlossman, S., L. Bloumsell, et al. eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

### Related Products

11-0049 Anti-Human CD4 FITC (RPA-T4)

12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.1)

46-0037 Anti-Human CD3 PerCP-eFluor® 710 (OKT3)

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