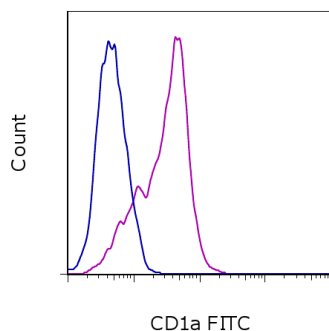


## Anti-Human CD1a FITC

**Catalog Number:** 11-0019

**Also known as:** Leu-6, T6, R4

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



Staining of MOLT-4 with Mouse IgG1 K Isotype Control FITC (cat. 11-4714) (blue histogram) or Anti-Human CD1a FITC (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor<sup>®</sup> 660, were used for analysis.

### Product Information



**Contents:** Anti-Human CD1a FITC

**Catalog Number:** 11-0019

**Clone:** HI149

**Concentration:** 5 uL (0.5 ug)/test

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

**HLDA Workshop:** V 5T CD01.01



**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



**Contains sodium azide**

### Description

The HI149 monoclonal antibody reacts with human CD1a, a 49 kDa protein expressed by cortical thymocytes and dendritic cells including Langerhans cells. The CD1 family of proteins share some structural and functional characteristics with the MHC class I molecules; however, members of the CD1 family are not polymorphic. Similar to MHC class I, CD1a associates with the beta2-microglobulin and is thought to play a role in antigen presentation.

### Applications Reported

The HI149 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This HI149 antibody has been pre-titrated and tested by flow cytometric analysis of MOLT-4 cells. This can be used at 5 uL (0.5 µg) per test. A test is defined as the amount (µg)/test 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

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

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

### Related Products

00-4222 Flow Cytometry Staining Buffer

11-4714 Mouse IgG1 K Isotype Control FITC (P3.6.2.8.1)

65-0864 Fixable Viability Dye eFluor<sup>®</sup> 660

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