

## Anti- Human CD1a (HI149)

Fluorochrome	Reference	Size
Pure	1APU-O1MG	100 test
FITC	1AF-100T	100 test
PE	1APE-100T	100 test
PerCP	1APP-100T	100 test
APC	1AA-100T	100 test
Biotin	1AB-O1MG	100 test
CF-Blue	1ACFB-100T	100 test

### PRODUCT DESCRIPTION

**Clone:** HI149

**Isotype:** IgG1

**Tested application:** flow cytometry

**Immunogen:** The anti-CD1a monoclonal antibody derives from leukemia cells.

**Species reactivity:** Human

**Storage instruction:** store in the dark at 2-8 °C

**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>).

**Recommended usage:** Immunostep's CD1a, clone HI149<sup>(1,2)</sup>, is a monoclonal antibody intended for the identification and enumeration of human thymocyte antigen, present thymocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10<sup>6</sup> cells.

**Presentation:** liquid

**Source:** Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

**Purification:** Affinity chromatography.

### ANTIGEN DETAILS

**Large description:** This antibody reacts with the CD1a antigen which is found on human thymocytes and certain thymomas, on Langerhans cells in the skin, dermal dendritic cells and brain astrocytes. The antigen is a membrane glycoprotein which is expressed non-covalently with b2 - microglobulin and is closely similar to human thymocyte antigen-1.<sup>(3-5)</sup>

**Other Names:** Leu-6, T6, R4

**Gene ID:** 909

**Molecular weight:** Ig superfamily, MHC I-like molecule, type I transmembrane glycoprotein, 49 kDa

Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

### WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

### REFERENCES

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3. Calabi F, Bradbury A. The CD1 system. Tissue Antigens 1991 Jan;37(1):1-9.
4. Escribano L, Orfao A, Villarrubia J, Diaz-Agustin B, Cervero C, Rios A, et al. Immunophenotypic characterization of human bone marrow mast cells. A flow cytometric study of normal and pathological bone marrow samples. Anal Cell Pathol 1998;16(3):151-9.
5. Hanau D, Schmitt DA, Bieber T, Schmitt D, Cazenave JP. Possible mechanism of action of CD1a antigens. J Invest Dermatol 1990 Nov;95(5):503-5.

### MANUFACTURED BY



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