

# Anti-Human CD1a (HI149)



## 1. 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;  
**Other names:** Leu-6, T6, R4;  
**Gene ID:** 909;  
**Molecular weight:** Ig superfamily, MHC I-like molecule, type I transmembrane glycoprotein, 49 kDa.

## 2. 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>

## 3. 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.

## 4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

Not for resale. Immunostep will not be responsible of violations that may occur with the use of this product. Any use of this product other than the specified in this document is strictly prohibited.








Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

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

## 5. REFERENCES

1. Knapp W. Leucocyte typing IV : white cell differentiation antigens. Oxford: Oxford University Press; 1989.
2. Schlossman SF. Leucocyte typing V : white cell differentiation antigens : proceedings of the Fifth International Workshop and Conference : held in Boston, USA, 3-7 November, 1993. Oxford: Oxford University Press; 1995.
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.

## 6. EXPLANATION OF SYMBOLS

	Form
	Catalog reference
	Contains sufficient for <n> test
	Quantity per test
	Regulatory Status
	Research Use Only
	Manufacturer

## 7. MANUFACTURED BY:

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