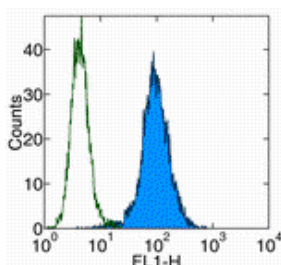


Anti-Human CD1a Purified

Catalog Number: 14-0019

Also Known As: Leu-6, T6, R4

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



Staining of MOLT-4 cell line with 0.5 μ g of Mouse IgG1 K Isotype Control Purified (cat. 14-4714) (open histogram) or Anti-Human CD1a Purified (filled histogram) followed by Anti-Mouse FITC. Total viable cells were used for the analysis.

Product Information

Contents: Anti-Human CD1a Purified

REF Catalog Number: 14-0019

Clone: HI149

Concentration: 0.5 mg/mL


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.

LOT 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, and immunohistochemical staining.

Applications Tested

This HI149 antibody has been tested by flow cytometric analysis of human MOLT-4 cell line. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.1)

17-4317 Streptavidin APC

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