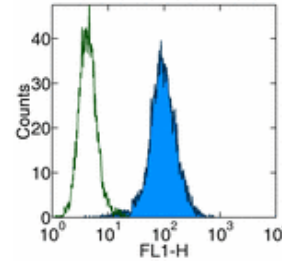


Product Information

Contents: Affinity Purified anti-human CD1a
Catalog Number: 14-0019
Sizes: 25 ug, 100 ug
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
Clone: HI149
Isotype: Mouse IgG1, κ
HLDA No.: V 5T CD01.01



Surface staining of MOLT-4 cells with anti-human CD1a (HI149) FITC. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0019	FITC anti-human CD1a	488	518	FC
12-0019	PE anti-human CD1a	488	575	FC
14-0019	Affinity Purified anti-human CD1a	N/A	N/A	FC IHC

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 β₂-microglobulin and is thought to play a role in antigen presentation.

Usage

For research use only, not for diagnostic or therapeutic use. The HI149 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining.

Applications Tested

The HI149 antibody has been tested by flow cytometric analysis of human MOLT-4 cell line and peripheral blood leukocytes. This can be used at less than or equal to 1 μg per 100 μl blood (or per 1 million cells in 100 μl total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-0019 FITC anti-human CD1a (clone HI149)
Cat. 12-0019 PE anti-human CD1a (clone HI149)
Cat. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4714 Affinity Purified Mouse IgG1, K Isotype Control

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.

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