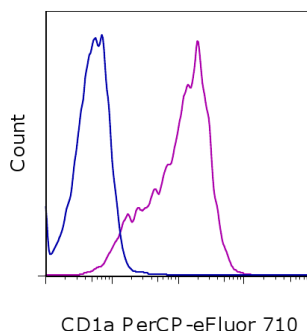


Anti-Human CD1a PerCP-eFluor® 710

Catalog Number: 46-0019

Also known as: Leu-6, T6, R4

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



Staining of MOLT-4 cells with Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (cat. 46-4714) (blue histogram) or Anti-Human CD1a PerCP-eFluor® 710 (purple histogram). Total viable cells, as determined by Fixable Viability Dye eFluor® 660, were used for analysis.

Product Information

Contents: Anti-Human CD1a PerCP-eFluor® 710



Catalog Number: 46-0019

Clone: HI149

Concentration: 5 µL (0.25 µg)/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

This 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 the MOLT-4 cell line. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) 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 10⁵ to 10⁸ cells/test.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

References

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

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com

Anti-Human CD1a PerCP-eFluor® 710

Catalog Number: 46-0019

Also known as: Leu-6, T6, R4

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

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

Related Products

46-4714 Mouse IgG1 K Isotype Control PerCP-eFluor® 710 (P3.6.2.8.1)

65-0865 Fixable Viability Dye eFluor® 780