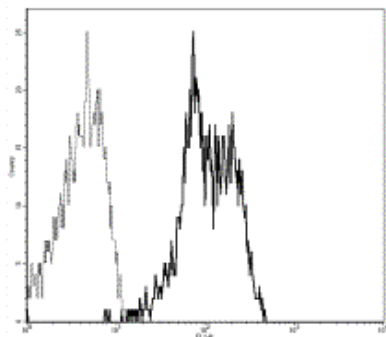


Anti-Human CD11a Purified

Catalog Number: 14-0119

Also Known As: Integrin alpha L, ITGAL, Lymphocyte Function-Associated Antigen, Type 1 alpha (LFA-1 alpha), LFA1A

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD11a FITC.

Product Information

Contents: Anti-Human CD11a Purified

 Catalog Number: 14-0119

Clone: HI111

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: IV N231

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The HI111 monoclonal antibody reacts with human CD11a, the 180 kDa integrin α_L , also known as the lymphocyte function associated antigen-1 (LFA-1) α chain. LFA-1, formed by non-covalent association of CD11a with CD18 (integrin β_2), serves as an important adhesion molecule involved in lymphocyte and granulocyte function. CD54 (ICAM-1), CD102 (ICAM-2), and CD50 (ICAM-3) are ligands for LFA-1. CD11a is expressed by all leukocytes.

Applications Reported

This HI111 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections. It has also been reported in blocking of CD11a function in mixed lymphocyte reactions. (Please use Functional Grade purified HI111, cat. 16-0119, in functional assays.)

Applications Tested

The HI111 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. 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

Kapsogeorgou EK, Dimitriou ID, Abu-Helu RF, Moutsopoulos HM, Manoussakis MN. Activation of epithelial and myoepithelial cells in the salivary glands of patients with Sjögren's syndrome: high expression of intercellular adhesion molecule-1 (ICAM.1) in biopsy specimens and cultured cells. Clin Exp Immunol. 2001 Apr;124(1):126-33. (HI111, IHC frozen)

Knapp, W., B. Dorken, et al. eds 1989. Leucocyte Typing IV: 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

17-4317 Streptavidin APC

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