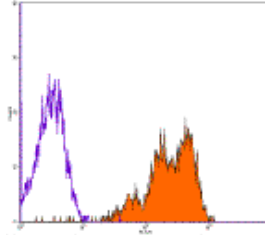


Product Information

Contents: Functional Grade Purified anti-human CD11a (LFA-1 α)
Catalog Number: 16-0119
Sizes: 50 μ g, 500 μ g
Formulation: Phosphate buffer pH 7.2,
150 mM NaCl, No NaN₃
Storage Conditions: Store at 4°C.
Avoid repeated freeze/thaw cycles.
KEEP CONTENT STERILE.
Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined
by the LAL assay.
Clone: HI111
Isotype: Mouse IgG1, κ
HLDA No.: IV N231



Normal human peripheral blood stained with FG Purified HI111 and detected with FITC anti-mouse IgG (cat.no. 11-4011). Cells in the lymphocyte gate were analyzed.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0119	FITC anti-human CD11a	488	518	FC
12-0119	PE anti-human CD11a	488	575	FC
14-0119	Affinity Purified anti-human CD11a	N/A	N/A	FA FC IHC
16-0119	Functional Grade* Purified anti-human CD11a	N/A	N/A	FA FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/ μ g.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. The HI111 antibody has been reported for use in flow cytometric analysis. It has also been reported in blocking of CD11a function in mixed lymphocyte reactions.

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 100 μ l blood (or per 1 million cells in 100 μ l total staining volume). It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 11-0119 FITC anti-human CD11a (clone HI111)
Cat. 12-0119 PE anti-human CD11a (clone HI111)
Cat. 14-0119 Affinity Purified anti-human CD11a (clone HI111)
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)

References

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

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