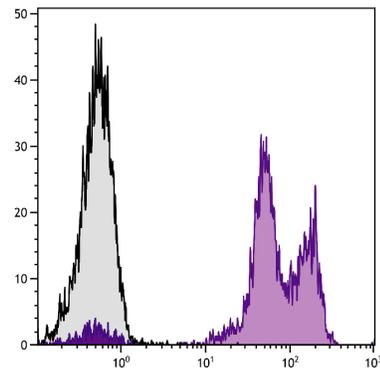




Mouse Anti-Human CD11a

Cat. No.	Format	Size
9320-01	Purified (UNLB)	0.1 mg
9320-02	Fluorescein (FITC)	100 tests
9320-08	Biotin (BIOT)	100 tests
9320-09	R-phycoerythrin (PE)	100 tests
9320-11	Allophycocyanin (APC)	100 tests
9320-13	Spectral Red® (SPRD)	100 tests
9320-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD11a-PE (SB Cat. No. 9320-09).

Overview

Clone	38
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Fibronectin purified monocytes
Specificity	Human CD11a; Mr 180 kDa
Alternate Name(s)	LFA-1 α , integrin α_L , ITGAL
Workshop	N/A

Description

CD11a, also known as leukocyte function-associated antigen-1 (LFA-1 α), represents the 180 kDa integrin α_L subunit which combines with the CD18 β_2 integrin subunit to form the $\alpha_L\beta_2$ integrin heterodimer. It is expressed on lymphocytes, granulocytes, monocytes, and macrophages and is upregulated on activated T cells. CD11a mediates adhesion of lymphocytes to vascular endothelium and is involved in costimulation.

Applications

FC – Quality tested ⁶
 IHC-FS – Reported in literature ⁷
 IP – Reported in literature ¹
 Block – Reported in literature ²⁻⁶
 Adhesion – Reported in literature ²⁻⁶
 ELISA – Reported in literature ⁸

Working Dilutions

Flow Cytometry	Purified (UNLB) antibody	$\leq 1 \mu\text{g}/10^6$ cells
	FITC, BIOT, PE, APC, and SPRD conjugates	$10 \mu\text{L}/10^6$ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL .	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

References

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