Human Integrin αM/CD11b PE-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # ICRF44

Catalog Number: FAB1699P

100 TESTS, 25 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Integrin αM/CD11b.
Source	Monoclonal Mouse IgG_1 Clone # ICRF44
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse B cells
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

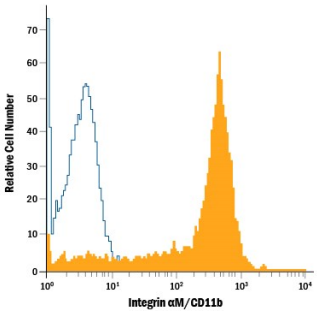
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of Integrin αM/CD11b in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human Integrin αM/CD11b PE-conjugated Monoclonal Antibody (Catalog # FAB1699P, filled histogram) or isotype control antibody (Catalog # IC002P, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

The Integrin family proteins are heterodimeric transmembrane receptors composed of an α and a β subunit. The Integrin αM subunit, also known as MAC-1α subunit or CD11b, combines with the Integrin β2 subunit (CD18) to form the non-covalent heterodimer Integrin αM/β2, also known as MAC-1 and Complement Receptor type 3 (CR3). Integrin αM/β2 is expressed on granulocytes, macrophages, dendritic cells and natural killer cells. Upon activation, αM/β2 can bind several ligands (including ICAM-1, Fibrinogen and the C3 Complement Fragment C3bi) to mediate phagocyte adhesion, migration and ingestion of complement-opsonized particles.

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