

DESCRIPTION

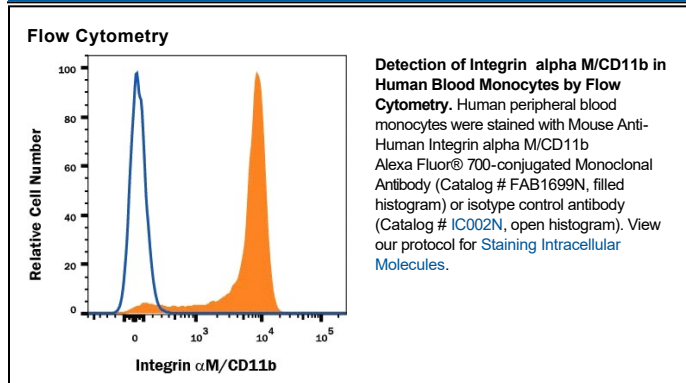
Species Reactivity	Human
Specificity	Detects human CD11b/Integrin αM.
Source	Monoclonal Mouse IgG ₁ Clone # ICRF44
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human rheumatoid synovial cells and monocytes
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	See Below

DATA



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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