

DESCRIPTION

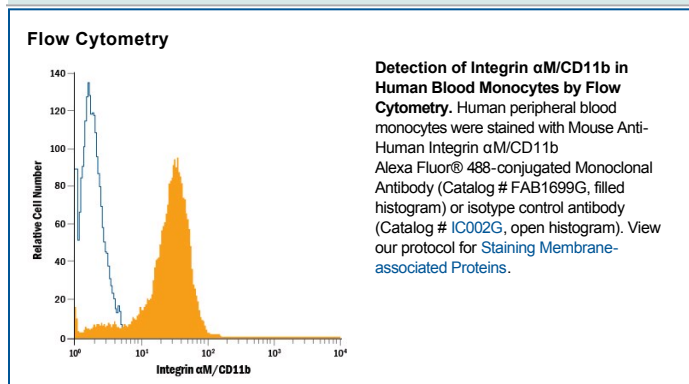
| | |
|---------------------------|--|
| Species Reactivity | Human |
| Specificity | Detects human Integrin α M/CD11b. |
| Source | Monoclonal Mouse IgG ₁ Clone # ICRF44 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse B cells |
| Conjugate | Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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 | 5 μ L/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 α M subunit, also known as MAC-1 α subunit or CD11b, combines with the Integrin β 2 subunit (CD18) to form the non-covalent heterodimer Integrin α M/ β 2, also known as MAC-1 and complement receptor type 3 (CR3). Integrin α M/ β 2 is expressed on granulocytes, macrophages, dendritic cells and natural killer cells. Upon activation, α M/ β 2 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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