

Human Integrin αM/CD11b PE-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 238446

Catalog Number: FAB16991P

100 TESTS

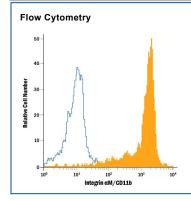
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human Integrin αM/CD11b in direct ELISAs.		
Source	Monoclonal Mouse IgG _{2B} Clone # 238446		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Integrin αM/CD11b Phe17-Asn1105 Accession # NP_001139280		
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



Detection of Integrin $\alpha M/CD11b$ in Human Blood Monocytes by Flow Cytometry. Human peripheral blood monocytes were stained with Mouse Anti-Human Integrin $\alpha M/CD11b$ PE-conjugated Monoclonal Antibody (Catalog # FAB16991P, filled histogram) or isotype control antibody (Catalog # IC0041P, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

ShippingThe 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-1 α subunit or CD11b, combines with the Integrin $\beta 2$ subunit (CD18) to form the non-covalent heterodimer Integrin $\alpha M/\beta 2$, also known as MAC-1 and Complement Receptor type 3 (CR3). Integrin $\alpha M/\beta 2$ is expressed on granulocytes, macrophages, dendritic cells and natural killer cells. Upon activation, $\alpha M/\beta 2$ 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.

