Human/Equine CD11b/Integrin alpha M Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 238446

Catalog Number: FAB16991U

100 µg

DESCRIPTION

Species Reactivity	Human/Equine
Specificity	Detects human CD11b/Integrin αM 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 CD11b/Integrin αM Phe17-Asn1105 Accession # NP_001139280
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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	Human peripheral blood mononuclear cells and equine peripheral blood mononuclear cells (PBMCs)

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 αM subunit (CD11b), associates with the Integrin β2 subunit (CD18) to form the non-covalent heterodimeric Integrin CD11b/CD18, also known as Mac-1 and CR-3. Upon activation, CD11b/CD18 is expressed on granulocytes, monocytes, a subset of NK cells and activated lymphocytes. Integrin CD11b/CD18 functions as a receptor for complement fragment iC3b, ICAM-1 (CD54), ICAM-2 (CD102) and fibrinogen to mediate phagocyte adhesion, migration and ingestion of complement-opsonized particles (1-3).

References:

1. Springer, T.A. *et al.* (1978) Eur. J. Immunol. **8**:539.
2. Springer, T.A. *et al.* (1979) Eur. J. Immunol. **9**:301.
3. Springer, T.A. *et al.* (1982) Immunol. Rev. **68**:171.

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