

DESCRIPTION

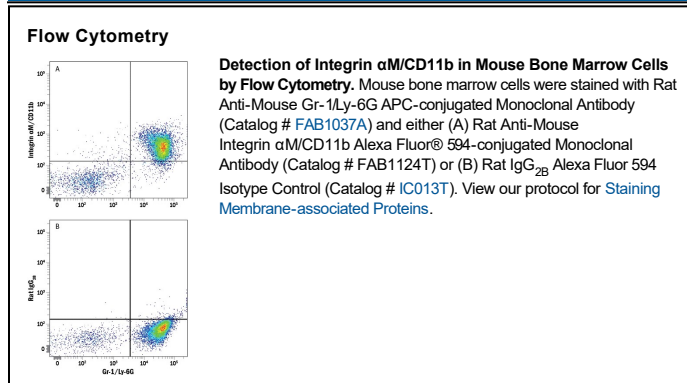
| | |
|---------------------------|--|
| Species Reactivity | Mouse |
| Specificity | Detects mouse Integrin α M/CD11b. Cross-reaction with human Integrin α M has been reported (1, 2). |
| Source | Monoclonal Rat IgG _{2B} Clone # M1/70 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Con A-activated C57BL/10 splenocytes |
| Conjugate | Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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. <ul style="list-style-type: none"> 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. The mouse extracellular domain (ECD) shares 87% and 74% amino acid sequence identity with rat and human ECD, respectively (3,4).

References:

- Beller, D.J. *et al.* (1982) J. Exp. Med. **156**:1000.
- Ault, K.A. and T.A. Springer (1981) J. Immunol. **126**:359.
- Mitroulis, I. *et al.* (2015) Pharmacol. Ther. **147**:123.
- Ross, G.D. *et al.* (2002) Immunol. Res. **25**:219.

Mouse CD11b/Integrin alpha M Alexa Fluor® 594-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # M1/70

Catalog Number: FAB1124T
25 Tests

PRODUCT SPECIFIC NOTICES

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