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# PE/Cyanine 5 Anti-Mouse/Human CD11b Antibody [M1/70]

Catalog Number: E-AB-F1081UG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human; Mouse

**Host** Rat

IsotypeRat  $\lg G2b$ ,  $\kappa$ Clone No.M1/70

Isotype Control PE/Cyanine5 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843G]

Conjugation PE/Cyanine 5

Conjugation Information PE/Cyanine5 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 670 nm

(e.g., a 690/50 nm bandpass filter).

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

#### Applications Recommended usage

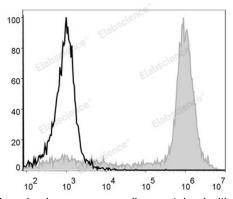
**FCM** Each lot of this antibody is quality control tested by flow cytometric analysis. Please

check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the

reagent to obtain optimal results [The recommended concentration is 0.1-1  $\mu$ g/10<sup>6</sup> cells is 4.00  $\mu$ L values 1

in 100 µL volume].

#### Data



C57BL/6 murine bone marrow cells are stained with PE/Cyanine5 Anti-Mouse/Human CD11b Antibody (filled gray histogram). Unstained bone marrow cells (empty black histogram) are used as control.

# **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

# **Antigen Information**

Alternate Names CD11 antigen-like family member B;CD11b;CR-3 alpha chain;Integrin alpha-M;Itgam;

Leukocyte adhesion receptor MO1

**Uniprot ID** P05555;P11215

# For Research Use Only

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#### **Elabscience Bionovation Inc.**



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Gene ID **Background**  16409;3684

CD11b is a 170 kD glycoprotein also known as  $\alpha M$  integrin, Mac-1  $\alpha$  subunit, Mol, CR3, and Ly-40. CD11b is a member of the integrin family, primarily expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b non-covalently associates with CD18 (β2 integrin) to form Mac-1. Mac-1 plays an important role in cell-cell interaction by binding its ligands ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4 (CD242), iC3b, and fibrinogen.

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