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### PE/Cyanine5 Anti-Mouse/Human CD11b Antibody[M1/70]

Catalog No. E-AB-F1081UG Reactivity Human, Mouse

Storage Store at 2~8°C, Avoid freeze / thaw cycles Applications FCM

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

### **Antigen Information**

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

adhesion receptor MO1,CD11b

**Uniprot ID** P05555,P11215

**Background** 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.

#### **Product Details**

 $\begin{tabular}{lll} Form & Liquid \\ Concentration & 0.2 mg/mL \\ Size & 25 \mu g/100 \mu g \\ Clone No. & M1/70 \\ Host & Rat \\ \end{tabular}$ 

 $\begin{tabular}{ll} \textbf{Isotype} & Rat IgG2b, \kappa \\ \textbf{Reactivity} & Human, Mouse \\ \end{tabular}$ 

**Application** FCM

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

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Shipping** Biological ice pack at 4 °C **Stability & Storage** Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086

 Web: <a href="www.elabscience.com">www.elabscience.com</a>
 Email: <a href="mailto:techsupport@elabscience.com">techsupport@elabscience.com</a>

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## **Fluorophore**

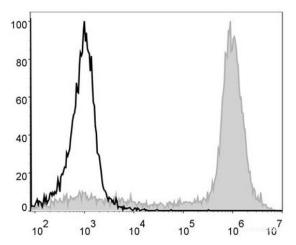
Conjugation: PE/Cyanine5

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).

# **Recommended usage**

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  $0.1-1~\mu g/10^6$  cells in  $100~\mu L$  volume].

#### **Product 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.

#### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? <a href="https://www.elabscience.com/List-detail-459742.html">https://www.elabscience.com/List-detail-459742.html</a>

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