

## FITC Anti-Mouse/Human/Monkey CD11b Antibody[M1/70]

Catalog Number: E-AB-F1081UC

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

### Description

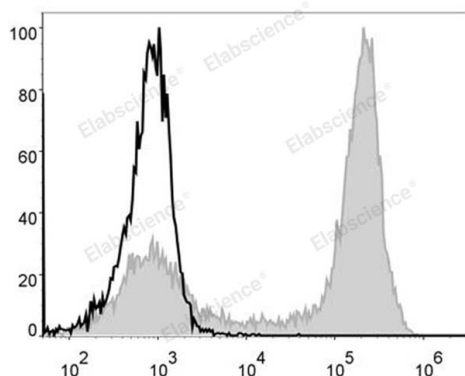
<b>Reactivity</b>	Human;Rhesus;Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, $\kappa$
<b>Clone No.</b>	M1/70
<b>Isotype Control</b>	FITC Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09843C]
<b>Conjugation</b>	FITC
<b>Conjugation Information</b>	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### Applications

### Recommended usage

<b>FCM</b>	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 $\mu\text{g}/10^6$ cells in 100 $\mu\text{L}$ volume].
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### Data



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

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CD11 antigen-like family member B;CD11b;CR-3 alpha chain;Integrin alpha-M;Itgam; Leukocyte adhesion receptor MO1
<b>Uniprot ID</b>	P05555;P11215
<b>Gene ID</b>	16409;3684

### For Research Use Only

## Background

CD11b is a 170 kD glycoprotein also known as  $\alpha$ M integrin, Mac-1  $\alpha$  subunit, MoI, 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 ( $\beta$ 2 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.