

## Elab Fluor® Violet 540 Anti-Mouse/Human CD11b Antibody[M1/70]

Catalog Number: E-AB-F1081UT3

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

### Description

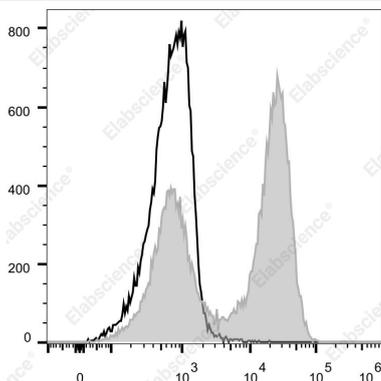
<b>Reactivity</b>	Human;Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, κ
<b>Clone No.</b>	M1/70
<b>Isotype Control</b>	Elab Fluor® Violet 540 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843T3]
<b>Conjugation</b>	Elab Fluor® Violet 540
<b>Conjugation Information</b>	Elab Fluor® Violet 540 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 548 nm (e.g., a 572/28 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 μg/10 <sup>6</sup> cells in 100 μL volume].
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### Data



Staining of C57BL/6 murine bone marrow with Elab Fluor® Violet 540 Anti-Mouse/Human CD11b Antibody[M1/70] (filled

gray histogram) or Elab Fluor® Violet 540 Rat IgG2b, κ Isotype Control(empty black histogram) . Total viable cells were used for analysis.

### 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;

### For Research Use Only

**Gene ID**

16409;3684

**Background**

CD11b is a 170 kD glycoprotein also known as  $\alpha$ M integrin, Mac-1  $\alpha$  subunit, Mo1, 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.