

## Elab Fluor® 488 Anti-Mouse/Human/Monkey CD11b Antibody[M1/70]

Catalog Number: E-AB-F1081L

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

### Description

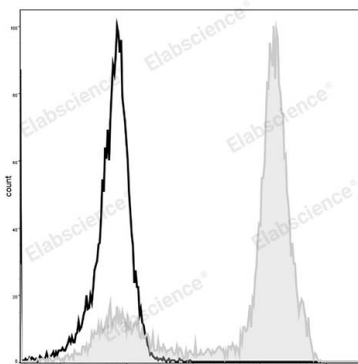
|                                |   |
|--------------------------------|---|
| <b>Reactivity</b>              | Human;Rhesus;Mouse  |
| <b>Host</b>                    | Rat   |
| <b>Isotype</b>                 | Rat IgG2b, κ  |
| <b>Clone No.</b>               | M1/70   |
| <b>Isotype Control</b>         | Elab Fluor® 488 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842L]  |
| <b>Conjugation</b>             | Elab Fluor® 488   |
| <b>Conjugation Information</b> | Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 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. <b>The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).</b> Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |
|------------|---|

### Data



C57BL/6 murine bone marrow cells are stained with Elab Fluor® 488 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.<br>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.