

## Elab Fluor® Red 780 Anti-Mouse/Human CD11b Antibody[M1/70]

Catalog Number: E-AB-F1081US

**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, $\kappa$  |
| <b>Clone No.</b>               | M1/70  |
| <b>Isotype Control</b>         | Elab Fluor® Red 780 Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09843S]  |
| <b>Conjugation</b>             | Elab Fluor® Red 780  |
| <b>Conjugation Information</b> | Elab Fluor® Red 780 is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 770 nm (e.g., a 780/60 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.   |

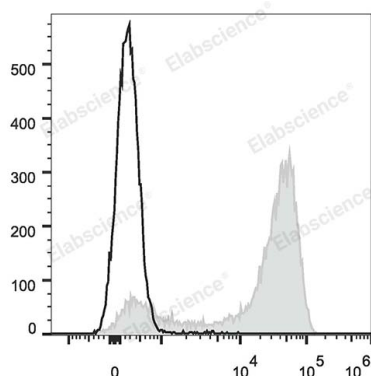
### Applications

### 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  $\mu\text{g}/10^6$  cells in 100  $\mu\text{L}$  volume].

### Data



Mouse bone marrow cells are stained with Elab Fluor® Red 780 Anti-Mouse/Human CD11b Antibody (filled gray histogram). Unstained bone marrow cells (blank 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 12 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.