

## Elab Fluor® Violet 450 Anti-Mouse/Human CD11b Antibody[M1/70]

Catalog Number: E-AB-F1081Q

**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 450 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842Q]                                                                                            |
| <b>Conjugation</b>             | Elab Fluor® Violet 450                                                                                                                                                       |
| <b>Conjugation Information</b> | Elab Fluor® Violet 450 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 450 nm (e.g., a 450/45 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.                                                                                               |

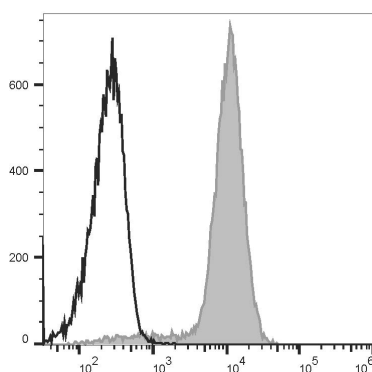
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **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).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Staining of C57BL/6 murine bone marrow cells with Elab

Fluor® Violet 450 Anti-Mouse/Human CD11b

Antibody[M1/70] (filled gray histogram) or Elab Fluor® Violet 450 Rat IgG2b, κ Isotype Control (empty black histogram).

Total viable cells were used for analysis.

### Preparation & Storage

#### Storage

Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.

#### Shipping

Ice bag

### Antigen Information

#### Alternate Names

CD11 antigen-like family member B;CD11b;CR-3 alpha chain;Integrin alpha-M;Itgam; Leukocyte adhesion receptor MO1

#### Uniprot ID

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.