

## Elab Fluor® Violet 540 Anti-Human CD11b Antibody[ICRF44]

Catalog Number: GFH1146T3

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

### Description

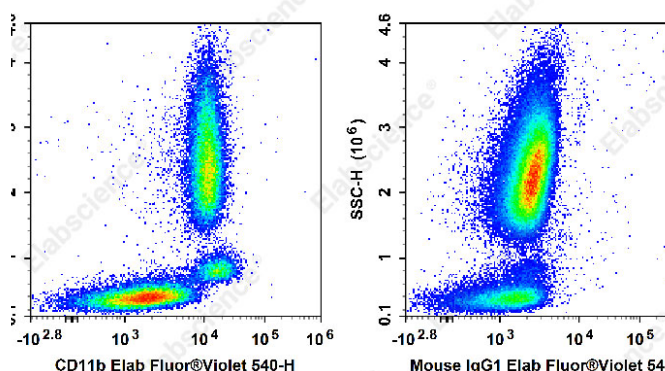
|                         |                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                        |
| Host                    | Mouse                                                                                                                                                                        |
| Isotype                 | Mouse IgG1, κ                                                                                                                                                                |
| Clone No.               | ICRF44                                                                                                                                                                       |
| Isotype Control         | Elab Fluor® Violet 540 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792T3]                                                                                        |
| Conjugation             | Elab Fluor® Violet 540                                                                                                                                                       |
| Conjugation Information | 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). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide.                                                                                                          |

### Applications

### Recommended usage

|     |                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCM | 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



Staining of normal human peripheral blood cells with Elab

Fluor® Violet 540 Anti-Human CD11b Antibody[ICRF44](left)

or Elab Fluor® Violet 540 Mouse IgG1, κ Isotype Control(right). Cells in the leucocyte gate were used for analysis.

### Preparation & Storage

|          |                                                                                                                                                           |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage  | 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. |
| 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      | P11215                                                                                                           |

### For Research Use Only

**Gene ID**

3684

**Background**

CD11b is a 165-170 kD type I transmembrane glycoprotein also known as  $\alpha$ MIntegrin, Mac-1, CR3, and C3biR. CD11b non-covalently associates with integrin  $\beta$ 2(CD18) and is expressed on granulocytes, monocytes/macrophages, dendritic cells, NK cells, and subsets of T and B cells. CD11b/CD18 is critical for the transendothelial migration of monocytes and neutrophils. It is also involved in granulocyte adhesion, phagocytosis, and neutrophil activation. CD11b/CD18 interacts with ICAM-1 (CD54), ICAM-2 (CD102), ICAM-4, CD14, CD23, heparin, iC3b, fibrinogen, and factor X.