

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Human CD11b Antibody[ICRF44]

Catalog Number: E-AB-F1146M1

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® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

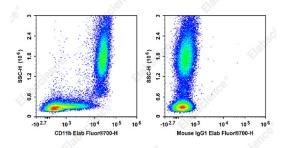
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L 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 normal human peripheral blood cells with Elab

Fluor<sup>®</sup> 700 Anti-Human CD11b Antibody[ICRF44] (left) or Elab Fluor<sup>®</sup> 700 Mouse IgG1,  $\kappa$  Isotype Control (right). Cells in the leucocytes gate were used for analysis.

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8  $^{\circ}\text{C}$  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

 Gene ID
 3684

## For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web:www.elabscience.com

#### Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

#### **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.