

Elab Fluor® 700 Anti-Human CD11b Antibody[HI11b]

Catalog Number: E-AB-F1317M1

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

Description

Reactivity	Human
Host	Mouse
Isotype	Mouse IgG2b, κ
Clone No.	HI11b
Isotype Control	Elab Fluor® 700 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812M1]
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% sodium azide and 1% BSA.

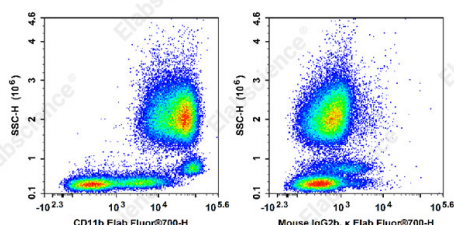
Applications

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 normal human peripheral blood cells with Elab Fluor® 700 Anti-Human CD11b Antibody[HI11b](left) or Elab Fluor® 700 Mouse IgG2b, κ Isotype Control (right). Cells in the leucocyte gate 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	Integrin alpha-M;Itgam;CD11 antigen-like family member B;CR-3 alpha chain; Leukocyte adhesion receptor MO1;CD11b
Uniprot ID	P11215
Gene ID	3684

For Research Use Only

Background

CD11b is a 165-170 kD type I transmembrane glycoprotein also known as α MIntegrin, Mac-1, CR3, and C3biR. CD11b non-covalently associates with integrin β 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.