

Elab Fluor® Violet 610 Anti-Human CD11b Antibody[ICRF44]

Catalog Number: E-AB-F1146T

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

Description

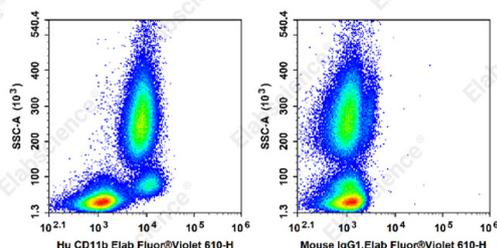
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| Reactivity | Human |
| Host | Mouse |
| Isotype | Mouse IgG1, κ |
| Clone No. | ICRF44 |
| Isotype Control | Elab Fluor® Violet 610 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792T] |
| Conjugation | Elab Fluor® Violet 610 |
| Conjugation Information | Elab Fluor® Violet 610 is designed to be excited by the violet laser (405 nm) and detected using an optical filter centered near 613 nm (e.g., a 615/20 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

Applications

Recommended usage

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| 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. |
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Data



Staining of normal human peripheral blood cells with Elab Fluor® Violet 610 Anti-Human CD11b Antibody[ICRF44](left) or Elab Fluor® 610 Mouse IgG1, κ Isotype Control (right). Cells in the leucocytes gate were used for analysis.

Preparation & Storage

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| Storage | Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag |

Antigen Information

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|------------------------|--|
| 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

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.