# Elab Fluor® 488 Anti-Mouse CD11a Antibody[FD441.8]

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| **Catalog No.** | E-AB-F1033L | **Reactivity** | Mouse |
| **Storage** | Store at 2~8℃, Avoid freeze / thaw cycles | **Applications** | FCM |

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

## Antigen Information

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| **Alternate Names** | Integrin alpha-L,Itgal,CD11 antigen-like family member A,LFA-1A,Lymphocyte antigen 15,Ly-15,CD11a |
| **Uniprot ID** | P24063 |
| **Background** | CD11a is a 180 kD glycoprotein, also known as αL integrin, LFA-1 α, Ly-15, or Ly-21. It is a member of the integrin family, primarily expressed on lymphocytes, monocytes/macrophages, and granulocytes. In association with CD18, the CD11a/CD18 complex forms LFA-1. CD11a plays an important role in intercellular adhesion and costimulation by binding its ligands, ICAM-1 (CD54), ICAM-2 (CD102), and ICAM-3 (CD50). |

## Product Details

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| **Form** | Liquid |
| **Size** | 50Tests/100Tests/100Tests×2 |
| **Clone No.** | FD441.8 |
| **Host** | Rat |
| **Isotype** | Rat IgG2b, κ |
| **Reactivity** | Mouse |
| **Application** | FCM |
| **Isotype Control** | Elab Fluor® 488 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09842L] |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| **Shipping** | Biological ice pack at 4 ℃ |
| **Stability & Storage** | Keep as concentrated solution.<br>Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

## Fluorophore

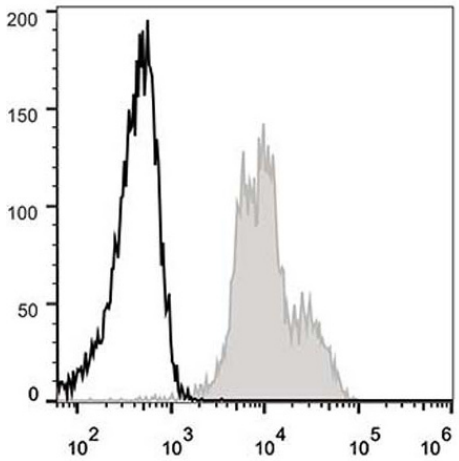
**Conjugation:** Elab Fluor® 488

Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

## Recommended usage

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.

## Product data




C57BL/6 murine splenocytes are stained with Elab Fluor® 488 Anti-Mouse CD11a Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

## Related Information

1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html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