

PE/Cyanine7 Anti-Mouse CD11a Antibody[FD441.8]

Catalog Number: E-AB-F1033UH

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

Description

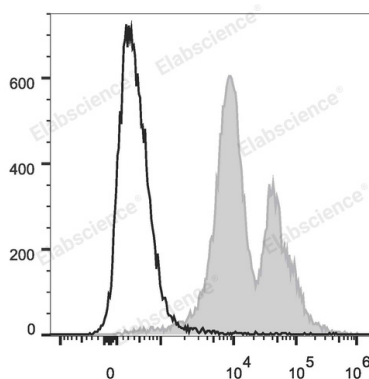
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| Reactivity | Mouse |
| Host | Rat |
| Isotype | Rat IgG2b, κ |
| Clone No. | FD441.8 |
| Isotype Control | PE/Cyanine7 Rat IgG2b, κ Isotype Control[LTF-2] [Product E-AB-F09843H] |
| Conjugation | PE/Cyanine 7 |
| Conjugation Information | PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

Applications

Recommended usage

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| FCM | Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 μL volume]. |
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Data



C57BL/6 murine splenocytes are stained with PE/Cyanine7 Anti-Mouse CD11a Antibody (filled gray histogram) or Rat IgG2b Isotype Control PE/Cyanine7 (empty black histogram).

Preparation & Storage

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| 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

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| Alternate Names | CD11 antigen-like family member A;CD11a;Integrin alpha-L;Itgal;LFA-1A;Ly-15; Lymphocyte antigen 15 |
| Uniprot ID | P24063 |
| Gene ID | 16408 |

For Research Use Only

Background

CD11a is a 180 kD glycoprotein, also known as α L 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).