

**Alexa Fluor® 647 anti-human CD11a/CD18 (LFA-1)**

**Catalog # / Size:** 2417060 / 100 tests  
2417055 / 25 tests

**Clone:** m24

**Isotype:** Mouse IgG1,  $\kappa$

**Reactivity:** Human

**Concentration:** Lot-specific

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

**Application Notes:** Clone m24 can be used as a reporter of the activation state of integrin receptor in response to exposure with  $Mg^{2+}$  or  $Mn^{2+}$ .

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**Description:** CD11/CD18 belongs to the integrin family of proteins. It is heterodimeric cell surface receptor expressed on all leukocytes. CD18, in association with integrin  $\alpha$  chain CD11a, CD11b, and CD11c forms LFA-1, Mac-1, and  $\alpha\chi\beta_2$ , respectively, and plays an important role in leukocyte adhesion. CD11/CD18 complexes bind ICAM-1 (CD54), ICAM-2 (CD102), ICAM-3 (CD50), iC3b, and fibrinogen. Clone m24 binds the extended/open high affinity conformation of CD11a/CD18. The antibody can be used as a reporter of the activation state of the integrin receptor in response to exposure to  $Mg^{2+}$  or  $Mn^{2+}$ .