

APC/Fire™ 750 anti-human CD11a/CD18 (LFA-1)

Catalog # / Size: 2417100 / 100 tests
2417095 / 25 tests

Clone: m24

Isotype: Mouse IgG1, κ

Immunogen: Fibronectin-purified human monocytes

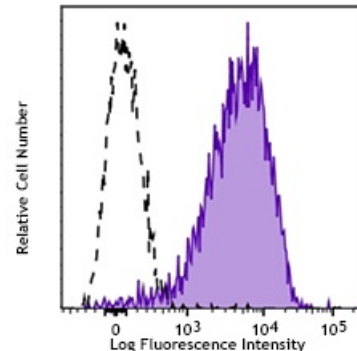
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: 750 under optimal conditions.

Concentration: Lot-specific



PMA-stimulated human peripheral blood granulocytes were stained with CD11a/CD18 (clone m24) APC/Fire™ 750 (filled histogram) or mouse IgG1, κ APC/Fire™ 750 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

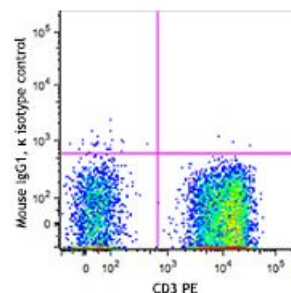
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

Application Notes: Clone m24 can be used as a reporter of the activation state of integrin receptor in response to exposure with Mg²⁺ or Mn²⁺.

Application References:

- Hogg N. *et al.* 1985. *Cell Immunol.* 92:247.
- McDowall A. *et al.* 2003. *J. Clin. Invest.* 111:51.



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 α chain CD11a, CD11b, and CD11c forms LFA-1, Mac-1, and α_xβ₂, 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 Mg²⁺ or Mn²⁺.

- Antigen** 1. Anderson D, et al. 1987. *Annu. Rev. Med.* 38:175.
References: 2. Springer T. 1994. *Cell* 76:301.