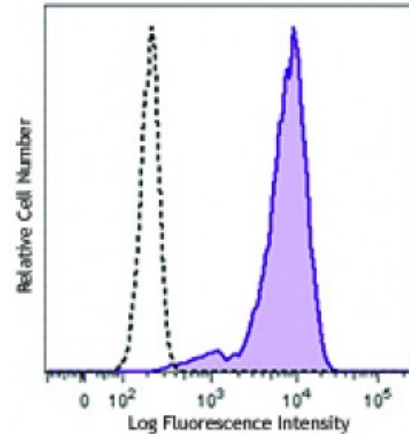


Purified anti-human CD11a/CD18 (LFA-1)

Catalog # / Size: 2417010 / 100 µg
Clone: m24
Isotype: Mouse IgG1, κ
Immunogen: Fibronectin-purified human monocytes
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.2



Human peripheral blood neutrophils were stimulated with PMA for 10 minutes and then the cells were stained with purified CD11/CD18 (clone m24) (filled histogram) or purified mouse IgG1, κ isotype control (open histogram), followed by anti-mouse IgG-

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 ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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: 1. Hogg N. *et al.* 1985. *Cell Immunol.* 92:247.
2. 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 References: 1. Anderson D, *et al.* 1987. *Annu. Rev. Med.* 38:175.
2. Springer T. 1994. *Cell* 76:301.