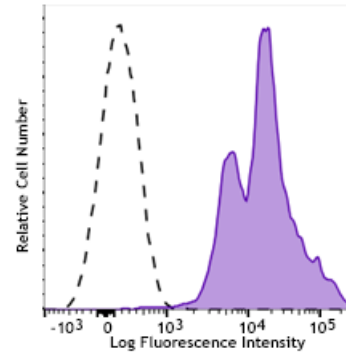


Purified anti-rat CD11a

Catalog # / Size: 1609510 / 100 µg
Clone: WT.1
Isotype: Mouse IgG2a, κ
Immunogen: PHA-stimulated rat splenocytes and rat thymic lymphoma FTL-43
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml



Rat splenocytes were stained with purified anti-rat CD11a (clone WT.1; filled histogram) or mouse IgG2a, κ isotype control (open histogram) followed by anti-mouse IgG PE.

Applications:

Applications: Flow Cytometry, Immunohistochemistry, Neutralization, Other

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 ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The WT.1 antibody recognizes both activated and unactivated LFA-1 and inhibits the binding of LFA-1 to ICAM-1. The WT.1 antibody has been shown to inhibit the mixed lymphocyte reaction, leukocyte infiltration, and graft rejection. Additional reported applications (for the relevant formats) include: immunohistochemistry of acetone-fixed frozen sections^{1,2}, immunoprecipitation³, *in vivo* and *in vitro* blocking of cellular adhesion³⁻⁶.

Application References:
 1. Tamatani T, *et al.* 1991. *Eur. J. Immunol.* 21:627.
 2. Tamatani T, *et al.* 1991. *Eur. J. Immunol.* 21:855.

Description: CD11a is a 160-170 kD glycoprotein also known as α_L integrin, or LFA-1 α chain. It is a member of the integrin family and forms a heterodimer with β₂ integrin (CD18). The LFA-1 (CD11a/CD18) is broadly expressed on leukocytes and mediates intercellular adhesion and cellular activation. CD54 (ICAM-1), CD102 (ICAM-2), and CD50 (ICAM-3) are the ligands of LFA-1.

Antigen References:
 1. Tamatani T, *et al.* 1991. *Eur. J. Immunol.* 21:627.
 2. Tamatani T, *et al.* 1991. *Eur. J. Immunol.* 21:855.