

CD11a (HI111) Antibody

Subcategory: Mouse Monoclonal Antibody, FITC-conjugated Antibody

Cat. No.: 251000

Unit: 2 ml

Description:

The CD11a (HI111) antibody recognizes the 180-kDa integrin α chain associated with CD18, the 95-kDa integrin β 2, which form heterodimer glycoprotein called the lymphocyte function antigen-1 (LFA-1, CD11a/CD18). Leukocytes express four CD11/CD18 integrins which include a common β 2 subunit and distinctive α chains. Besides CD11a/CD18, the other three integrins are known as CD11b/CD18, CD11c/CD18 and CD11d/CD18. LFA-1 is expressed on all leukocytes and is responsible for adhesion between leukocytes during immune response and transmigration of leukocytes across endothelium. The ligands for CD11a/CD18 are intercellular adhesion molecules CD54 (ICAM-1), CD102 (ICAM-2) and CD50 (ICAM-3). Patients bearing mutated CD18 genes do not express cell membrane LFA-1, a condition known as leukocyte adhesion deficiency 1 (LAD-1).

Isotype: mouse IgG1

Applications: FC

Species Reactivity: H

Format: Each vial contains 2 ml IgG (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Integrin alpha-L; Leukocyte adhesion glycoprotein LFA-1 alpha chain; LFA-1A; Leukocyte function-associated molecule 1 alpha chain; CD11 antigen-like family member A; CD11a antigen; ITGAL; CD11A

Accession No.: P20701

Application Notes: FC with whole blood: 100 μ l blood + 20 μ l antibody; FC with cells: 10E6 cells + 20 μ l antibody. FC: 1:200-1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

Product Citations: Knapp W., et al., eds. 1989. Leucocyte Typing IV: White Cell Differentiation Antigens. P798, 1078, Oxford University Press, New York

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