
CD29 (HI29a) Antibody

Subcategory: Mouse Monoclonal Antibody, PE-conjugated Antibody

Cat. No.: 251070

Unit: 2 ml

Description:

CD29 antibody recognizes the 130-kDa transmembrane glycoprotein integrin β 1 subunit which is the common β 1 chain of the very late antigen (VLA) forming a non-covalent heterodimeric complex with several integrins α subunits that are receptors for extracellular matrix proteins such as collagen, fibronectin and osteopontin. CD29 has a broad tissue distribution including lymphocytes, monocytes, platelets, fibroblasts, and endothelial cells, whereas it is weakly expressed in granulocytes and absent in erythrocytes. CD29 is an important adhesion molecule involved in cell-cell and cell-extracellular matrix interactions. CD29 plays a critical role in the functional activity of lymphocytes by influencing cellular migration patterns as well as by transducing intracellular signals that influence lymphocyte function.

Isotype: mouse IgG1

Applications: FC, IF

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 beta-1; Fibronectin receptor subunit beta; Integrin VLA-4 subunit beta; CD29 antigen; ITGB1; FNRI; MDF2; MSK12

Accession No.: P05556

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

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

For research use only, not for diagnostic or therapeutic procedures.