
CD2 (HIT11) Antibody

Subcategory: Mouse Monoclonal Antibody, PE-conjugated Antibody

Cat. No.: 251045

Unit: 2 ml

Description:

The CD2 (HIT11) antibody recognizes a 50-kDa type-I single-chain transmembrane glycoprotein called LFA-2 (lymphocyte function associated antigen-2) or sheep red blood cell (SRBC) receptor. The CD2 antigen is expressed on 70-80% of peripheral blood lymphocytes and 80%-90% of thymocytes and NK cells. The primary ligand for CD2 is CD58 (LFA-3) despite binding to CD48, CD59 and CD15. The CD2 antigen plays a role in T cell signaling and in lymphocyte adhesion, and is an alternative pathway of T cell activation. There are two forms of CD2, a membrane form on cell surface and a soluble form in serum.

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: T-cell surface antigen CD2; T-cell surface antigen T11/Leu-5; LFA-2; LFA-3 receptor; erythrocyte receptor; rosette receptor; CD2 antigen; CD2; SRBC

Accession No.: P06729

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: Schlossman S. et al., eds. 1995. Leucocyte Typing V: White Cell Differentiation Antigens. P246, Oxford University Press, New York.

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