
CD2 (HIT11) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250933

Unit: 0.1 mg

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: E, FC, IHC

Species Reactivity: H

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 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: Purified antibody is suitable for immunohistochemistry with acetone-fixed frozen sections and formalin-fixed paraffin sections. E: 1:500-1:1,000; FC: 1:200-1:1,000; IHC: 1:200-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year 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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