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**Mouse Anti-Human CD2-FITC conjugate**

**PRODUCT INFORMATION**

**Cat#:** CD02F-100      **Size:** 100 Tests  
**Cat#:** CD02F-25      **Size:** 25 Tests

**CLONE:** HIT11  
**ISOTYPE:** Mouse IgG1  
**WS.No.:** 5T CD02.04  
**Product Forms:** Purified, FITC conjugation, PE conjugation.

**DESCRIPTION**

CD2 McAb recognizes a 50 KD type  $\alpha$  single-chain transmembrane glycoprotein called LFA-2 (lymphocyte function associated antigen-2) or sheep red blood cell (SRBC) receptor. CD2 antigen is expressed on about 70%-80% of peripheral blood lymphocytes, 80%-90% of thymocytes and NK cells. The primary ligand for CD2 is CD58 (LFA-3). The studies in previous and recent have revealed that CD48, CD59 and CD15 also act as ligand for CD2. CD2 antigen plays a role in T cell signaling and in lymphocyte adhesion and is a alternative pathway of T cell activation. There are membrane form on cell surface and soluble form in serum in CD2 antigen.

**PREPARATION**

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC, R-PE under optimum conditions.

**USAGE**

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis and is tested for immunohistochemical staining of acetone-fixed frozen sections and formalin-fixed paraffin sections.

The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using  $20\mu\text{l}/10^6$  cells or  $100\mu\text{l}$  peripheral blood cells.

**STORAGE**

For purified forms, long term storage at  $-20^{\circ}\text{C}$ .

For conjugated forms, storage at  $4^{\circ}\text{C}$ , should not be frozen and avoid prolonged exposure to light.

**REFERENCES**

Schlossman, S., L. Bloumsell, W. Gilks, et al., eds. 1995. Leucocyte Typing  $\alpha$ : White Cell Differentiation Antigens. P: 245, 346-348 Oxford University Press, New York.