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## Mouse Anti Human CD2, unlabeled

### PRODUCT INFORMATION

□ **Cat#:** CD02UL-100      **Size:** 100 ug  
**CLONE:** HIT11  
**ISOTYPE:** Mouse IgG1  
**Product Forms:** Purified, FITC conjugation, PE conjugation.

### DESCRIPTION

CD2 McAb recognizes a 50 KD type I 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 an 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 20µl/10<sup>6</sup> cells or 100µl peripheral blood cells.

### STORAGE

For purified forms, long term storage at -20°C.

For conjugated forms, storage at 4°C, should not be frozen and avoid prolonged exposure to light.

### REFERENCES

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

Rev. 80609A

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