



Mouse Anti-Human CD2-PE-Cy5-conjugate

PRODUCT INFORMATION

- **Cat#:** CD02-PC-25 **Size:** 25 tests
□ **Cat#:** CD02-PC-100 **Size:** 100 tests

CLONE: HIT11

ISOTYPE: Mouse IgG1

Product Forms: Purified, FITC conjugation, PE conjugation.

DESCRIPTION

CD2 McAb recognizes a 50 KD type □ 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 20µl/10⁶ cells or 100µl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20oC.

For conjugated forms, storage at 4oC, 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.

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