

# Mouse Anti Human CD5

**Code:** [ USC ] 5P-HISM2-100

**SIZE:** 100 TEST

**Clone:** HISM2

**Label・Form:** PE conjugation

**WSNo:** VI6T 004, V CD03.02

**Isotype:** IgG1

## Description:

CD5 McAb recognizes a 67 KD type I single-chain transmembrane glycoprotein. CD5 antigen appears early in thymocyte development and is expressed on all mature T lymphocytes as well as on a small subset of peripheral B lymphocytes and also on most Ig<sup>+</sup> B-chronic lymphoblastic leukemia (B-CLL). CD5 is a ligand for the CD72 antigen expressed on B lymphocytes and is involved in T cell signaling, activating, proliferating and interacting between T and B cells.

## 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. The conjugated reagent (FITC, R-PE) is tested for flow cytometric analysis using 20  $\mu$ l/10<sup>6</sup> cells or 100  $\mu$ l 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:

Tadamitsu K, K.Hitoshi, A.E.G.Kr.van dem Borne, et al., eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P: 27, 53, 57-58, 89, 112 Garland Publishing, Inc., New York.



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