PERFORMANCE DATA SHEET
0849

Monoclonal anti-human CD5*

mAb name/Clone: **UCHT2**
Isotype: Mouse IgG1
Immunogen: Human thymocytes/Sezary T cells

CATALOG#: 150-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD5 is believed to be an alternative signaling molecule found on all mature T cells, on most thymocytes and on a subpopulation of mature B cells expressing autoantibodies. The ligand for CD5 is CD72. Antibody UCHT2 recognizes epitope 2 of the CD5 molecule of approximately 67 kd. Antibody UCHT2 does not stimulate $CD5^+$ PBMNC.

References: P.C.L. Beverly & R.E. Callard. "Protides of the Biological Fluids" (1981) Vol. **29:** 653-658, H. Peeters (ed.), Pergamon Press, Oxford. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford (1989) p. 331-338. G.S. Wood & P.S. Freudenthal, (1992) Am J Pathol **141:** 789-795. P.M. Lydyard, et al, (1993) Immunol Lett **38:** 159-166.

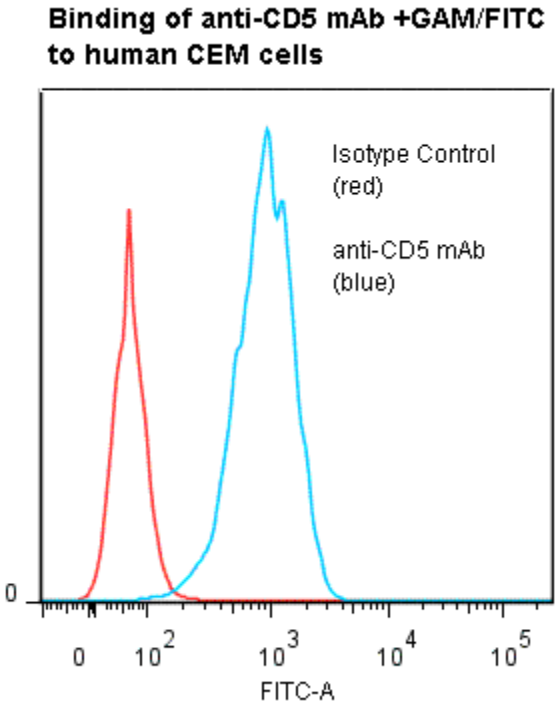
STORAGE CONDITIONS: ***Store at 2 - 5°C***. Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10^5 cultured **CEM** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD5 antibody at **5 µg/ml**. Cells were washed twice and incubated with 50 µl of 2° reagent Goat anti-Mouse IgG/FITC (Catalog #232-011) at a 1:60 dilution factor, after which they were washed three times and fixed. Cells stained positive with a mean shift of **1.2** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).



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