

**PERFORMANCE DATA SHEET**

3209

**Monoclonal anti-human CD5\***

**mAb name/Clone:** UCHT2

**Isotype:** Mouse IgG1

**Immunogen:** Human thymocytes/Sezary T cells

**CATALOG#:** 150-820 (Preservative Free)

**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<sup>+</sup> 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. Open under aseptic conditions.

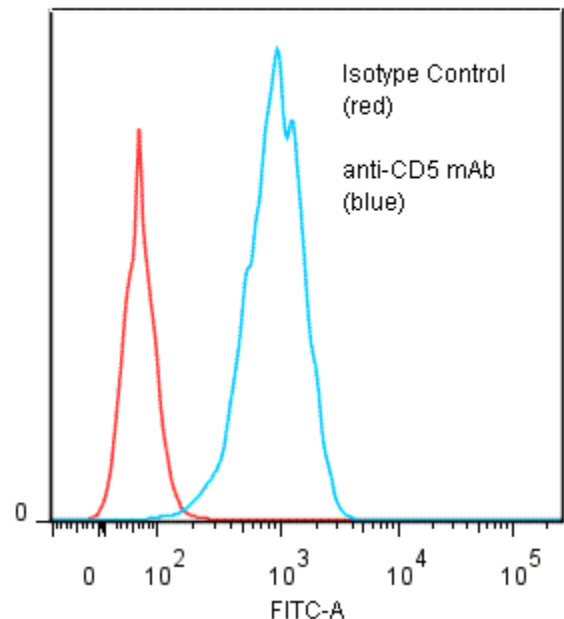
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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. Product was 0.2µ sterile filtered and vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> 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<sup>o</sup> 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<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

**Binding of anti-CD5 mAb +GAM/FITC to human CEM cells**



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