## PERFORMANCE DATA SHEET <sup>1814</sup> *Monoclonal* anti-human CD8\*



*mAb name/Clone:* UCHT4 *Isotype:* Mouse IgG2ак *Immunogen:* Human thymocytes/Sezary T cells

## CATALOG#: 153-820 (Preservative Free) QUANTITY: 100 µg

## CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD8 is a heterodimeric protein consisting of an  $\alpha$  and  $\beta$  chain, each about 33 kd. CD8 is expressed on most thymocytes and on about one third of peripheral blood T cells. CD8 is a co-receptor involved in antigen recognition and binds to the  $\alpha$ 2 and  $\alpha$ 3 domain of MHC Class I molecules. Antibody UCHT4 recognizes the CD8  $\alpha$  chain of approximately 33 kd.

**References:** A. Fischer, et al, (1983) Immunology **48:** 177-186. R. Zamoyska, (1994) Immunity **1:** 243-246. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 353-356. J. Sun, et al, (1995) J Exp Med **182:** 1275-1280.

**STORAGE CONDITIONS:** Store at 2 - 5<sup>o</sup>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.

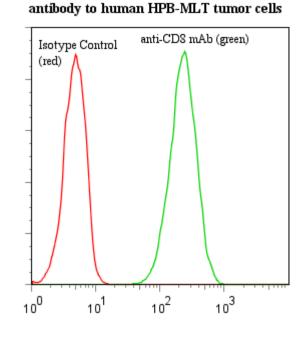
**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2µ sterile filtered and vialed under aseptic conditions.

 Binding of anti-CD8(clone UCHT4)

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

**PERFORMANCE:** Five x  $10^5$  cultured human **HPB-MLT** cells per tube were washed and pre incubated with 20 µl human IgG at 250 µg/ml (to block non specific binding ) after which they were incubated 45 minutes on ice with 80 ml of anti-CD8 antibody at a concentration of **5 µg/ml**. Cells were washed twice and incubated with  $2^0$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.67** log<sub>10</sub> fluorescent units when compared to a Mouse IgG2a negative control (Catalog # 281-010).

\* Research use only. Not for use in Diagnostic procedures.



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