PERFORMANCE DATA SHEET ¹⁸¹⁴ *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 α and β 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 α 2 and α 3 domain of MHC Class I molecules. Antibody UCHT4 recognizes the CD8 α 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^oC. 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.

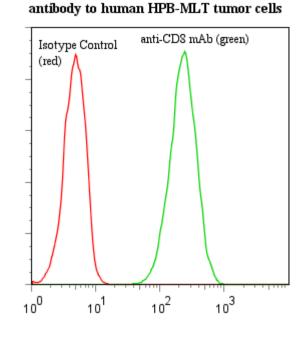
PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2µ sterile filtered and vialed under aseptic conditions.

 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** log₁₀ 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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