## PERFORMANCE DATA SHEET 2346 Monoclonal anti-human CD6\*



*mAb name/Clone:* **3F7B5 (UMCD6)** *Isotype:* Mouse IgG1ĸ *Immunogen:* Human rheumatoid synovial T cell line (ST-1)

## CATALOG#: 151-820 (Preservative Free) QUANTITY: 100 µg

## **CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Human CD6 is expressed on peripheral blood T cells, most thymocytes and a subset of B cells. CD6 is similar to CD5 and contains three cysteine-rich domains with structural homology to the macrophage scavenger receptor. CD6 is involved in T cell activation and its ligand was recently identified. Antibody UMCD6 recognizes CD6 molecules of approximately 130 kd. Antibody UMCD6 is a useful reagent to study T cell activation through CD6.

*References:* C.M. Bott, et al, (1993) Int Immunol **5**: 783-792. M.A. Bowen, et al, (1995) J Exp Med **181**: 2213-2220. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 419-422. G.S. Whitney, et al, (1995) J Biol Chem **270**: 18187-18190.

**STORAGE CONDITIONS:** Store at 2 - 5<sup>o</sup>C. Freeze/Thawing is not recommended. Open under aseptic conditions.

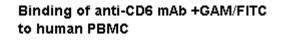
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

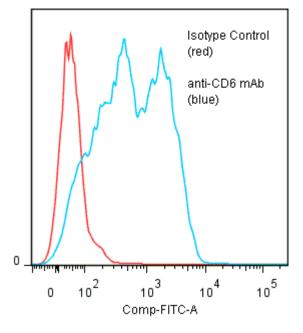
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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.

**PERFORMANCE:** Five x  $10^5$  ficoll prepared human peripheral blood mononuclear cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD6 antibody at **10 µg/ml**. Cells were washed twice and incubated with  $2^{\circ}$  reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. An 82% sub population of the cells stained positive with a mean shift of **1.34** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).

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





Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940