## PERFORMANCE DATA SHEET

1850

## Ancell

## Monoclonal anti-human CD25(IL2-R alpha, TAC)\*

*mAb name/Clone:* 7G7B6 *Isotype:* Mouse IgG2aκ

Immunogen: Stimulated PBMC

CATALOG#: 174-820 (Preservative Free)

QUANTITY: 100 μg CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Expression of human CD25 (the alpha subunit of the IL-2 receptor complex) is dramatically upregulated on activated T cells, B cells, NK cells and macrophages (3). Antibodies to CD25 are being studied for potential use as an immundirected therapy to selectively attack (kill) CD25 expressing cells (4). Antibody 7G7B6 recognizes epitope B of the IL-2 alpha receptor of about 55 kd (1,6). Antibody 7G7B6 does not block IL-2 binding to its receptor (1). **References:** (1) L.A. Rubin, et al, (1985) Hybidoma 4: 91-102. (2) B. Boutin, et al, (1989) Neuropediatrics 20: 202-206. (3) T.A. Waldmann, et al, (1989) Annu Rev Biochem 58: 875-911. (4) T.A. Waldmann, et al, (1995) Blood 86: 4063-4075. (5) U.S. Patent No. 4,707,443. (6) Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 403-406.

**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:\_\_\_\_\_

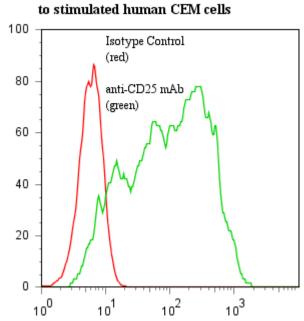
**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

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

Binding of anti-CD25 mAb +GAM/FITC filtered and vialed under aseptic conditions..

**PERFORMANCE:** Cultured human **CEM** were stimulated overnight in the presence of PMA (10 ng/ml) and ionomycin ( $1 \mu \text{M}$ ). Five x  $10^5$  cells per tube were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD25 antibody at **5**  $\mu$ g/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 **1.36**  $\log_{10}$  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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