

## PERFORMANCE DATA SHEET

1850

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

**mAb name/Clone:** 7G7B6

**Isotype:** Mouse IgG2ak

**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 immunodirected 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) *Hybridoma* 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°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:** Cultured human CEM were stimulated overnight in the presence of PMA (10ng/ml) and ionomycin (1µM). Five x 10<sup>5</sup> cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD25 antibody at 5 µg/ml. Cells were washed twice and incubated with 2<sup>o</sup> 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<sub>10</sub> fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010) at a similar concentration.

*\*This Product is intended for Laboratory Research use only.*

**Binding of anti-CD25 mAb +GAM/FITC to stimulated human CEM cells**

