## PERFORMANCE DATA SHEET

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

mAb name/Clone: 7G7B6 Isotype: Mouse IgG2ak

**Immunogen:** Stimulated PBMC

CATALOG#: 174-050 **QUANTITY: 120 tests WORKING DILUTION: 1:50** (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**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).

**VOLUME IN VIAL: 0.2 ml** 

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°C. Do not freeze! Protect from light.

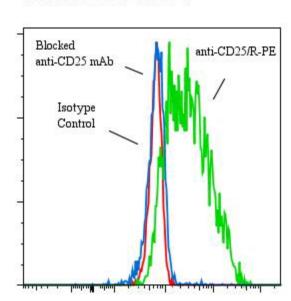
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Protein A purified antibody from tissue culture supernatant was conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5 mg/ml** with an  $A_{565}/A_{280}$  ratio of 2.90.

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 incubated 45 minutes on ice with 80 µl of anti-CD25/R-PE at a dilution factor of 1:50 (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.90 log<sub>10</sub> fluorescent units when compared to a Mouse IgG2a/R-PE negative control (Catalog #281-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD25 antibody (Catalog #174-020).

## Binding of anti-CD25/R-PE to Stimulated CEM cells



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<sup>\*</sup> Research Use Only. Not for use in Diagnostic procedures.