PERFORMANCE DATA SHEET ¹⁸¹⁶ *Monoclonal* anti-human CD25(IL2-R alpha, TAC)/R-PE*

mAb name/Clone: **7G7B6** *Isotype:* Mouse IgG2aκ *Immunogen:* Stimulated PBMC

CATALOG#: 174-050 QUANTITY: 120 tests VOLUME IN VIAL: 0.2 ml WORKING DILUTION: 1:50 (or use 1.6μl of concentrated stock per 5 x 10⁵-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).

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 - $5^{o}C$. 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:______

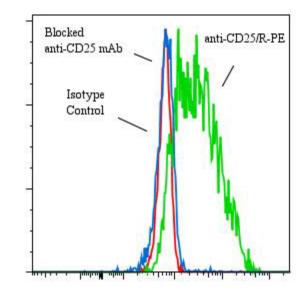
BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

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 (1 μ M). Five x 10⁵ cells per tube were incubated 45 minutes on ice with 80 μ l of anti-CD25/R-PE at a dilution factor of **1:50** (10 μ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.90** log₁₀ fluorescent units when compared to a Mouse IgG2a/R-PE negative control (Catalog #281-050) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD25 antibody (Catalog #174-020).

**This Product is intended for Laboratory Research use only.* R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

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



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