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

mAb name/Clone: 7G7B6 *Isotype:* Mouse IgG2ак *Immunogen:* Stimulated PBMC

CATALOG#: 174-030 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^oC. Freeze/thawing not recommended.

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

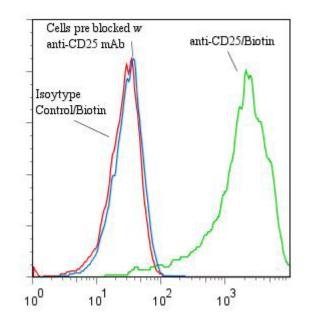
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Cultured human **CEM** cells were stimulated overnight in the presence of PMA (10ng/ml) and ionomycin (1 μ M). Five x 10⁵ cells per tube were washed and incubated 45 minutes on ice with 80 μ l of anti-CD25/Biotin at a concentration of **5 \mug/ml**. Cells were washed twice and incubated with 2^o reagent Streptaviden/R-PE (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.88** log₁₀ fluorescent units when compared to a Mouse IgG2a/Biotin negative control (Catalog #281-030) 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.

Binding of anti-CD25/Biotin to stimulated human CEM cells



Ancell Corporation P.O. Box 87 243 Third Street North Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940