PERFORMANCE DATA SHEET

2944

Monoclonal anti-human CD30(Ki-1)/R-PE*



mAb name/Clone: AC10 *Isotype:* Mouse IgG2bк

Immunogen: Human YT lymphoma cells

CATALOG#: 179-050
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: Human CD30 is a member of the tumor necrosis factor (TNF) receptor family and is expressed on mitogen activated B and T cells. Antibody AC10 recognizes the CD30 molecule of about 120 kd. *References:* M.A. Bowen, et al, (1993) J Immunol **151:** 5896-5906. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1115-1122. B. Falini, et al, (1995) Blood **85:** 1-14.

STORAGE CONDITIONS: Store at 2 - 5°C. Do not freeze! Protect from light.

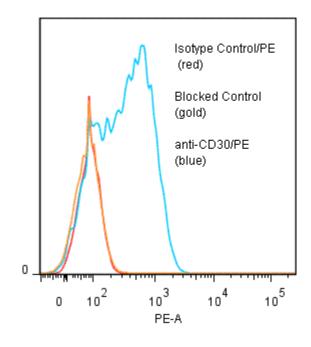
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% 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 a PE: mAb molar ratio of **0.72**.

PERFORMANCE: Five x 10^5 cultured **CEM** human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD30/R-PE at a **1:50** dilution (10μ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.74** \log_{10} fluorescent units when compared to a Mouse IgG2b/PE negative control (Catalog #284-050). Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD30 antibody (Catalog #179-020).

Binding of anti-CD30/PE to human CEM cells



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

^{*} Research Use Only. Not for use in Diagnostic procedures.