

PERFORMANCE DATA SHEET

2440

Monoclonal anti-human CD30(Ki-1)***mAb name/Clone:** AC10**Isotype:** Mouse IgG2b κ **Immunogen:** Human YT lymphoma cells**CATALOG#:** 179-020**QUANTITY:** 100 μ g**CONCENTRATION:** 1.0 mg/ml

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 and blocks binding of recombinant CD153(CD30 L).

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.* Freeze/Thawing is 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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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.

PERFORMANCE: Five x 10⁵ cultured CEM human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD30 antibody at 5 μ g/ml. Cells were washed twice and incubated with 2^o 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 1.4 log₁₀ fluorescent units when compared to a Mouse IgG2b negative control (Catalog #284-010).

* *Research Use Only. Not for use in Diagnostic procedures.*

Binding of anti-CD30 mAb +GAM/FITC to human CEM cells