

PERFORMANCE DATA SHEET

2944

Monoclonal anti-human CD30(Ki-1)/R-PE ***mAb name/Clone:** AC10**Isotype:** Mouse IgG2bk**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 10⁵ cultured CEM human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD30/R-PE at a **1:50** dilution (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.74** log₁₀ 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 µl of 0.5 mg/ml anti-CD30 antibody (Catalog #179-020).*** Research Use Only. Not for use in Diagnostic procedures.****Binding of anti-CD30/PE to human CEM cells**