PERFORMANCE DATA SHEET 2511 Monoclonal anti-human CD7/R-PE*



mAb name/Clone: **3A1e** *Isotype:* Mouse IgG2b *Immunogen:* Human HSB2-T cells

CATALOG#: 152-050 QUANTITY: 120 tests WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test

INFORMATION: Human CD7 is one of the earliest T lineage markers and is found on most thymocytes and peripheral blood T cells. The function of CD7 is not yet fully known, although cross-linking of CD7 with antibodies induces a T cell transmembrane calcium flux and CD7 expression is induced by ionomycin. Antibody 3 Ale recognizes a CD7 molecule of 40 kd. Antibody 3Ale induces T cell transmembrane calcium flux. *References:* R. Ware, et al, J Immunol (1989) **143**: 3632-3634. R. Ware, et al, J Immunol (1991) **147**: 2787-2794.

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:_____

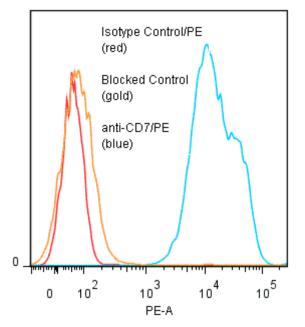
BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

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**.

PERFORMANCE: Briefly, 5×10^5 cultured **CEM** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of product at a **1:50** dilution (10 µg/ml). Cells were washed twice, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.59** log₁₀ fluorescent units when compared to a Mouse IgG2b/R-PE negative control (Catalog # 284-050) at a similar concentration.

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





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