

PERFORMANCE DATA SHEET

2038

Monoclonal anti-human CD127 (IL-7R α)*

mAb name/Clone: ANC8F2

Isotype: Mouse IgG1 κ

Immunogen: Recombinant human CD127

CATALOG#: 348-020

QUANTITY: 100 μ g

CONCENTRATION: 1.0 mg/ml

INFORMATION: CD127 (IL-7R α) is the specific receptor component for the cytokine Interleukin -7 (IL-7). It is found on a wide variety of hematopoietic cell types including B cell precursors, and the majority of T cells. Its expression levels are decreased on T cells following activation. CD127 can dimerize with CD132(IL-2R γ) to form a high affinity IL-7 receptor (1). CD127 engagement is necessary for T cell development in humans (2). Antibody ANC8F2 recognizes an extracellular epitope of recombinant and native CD127 in FACS and Enzyme Immunoassay.

References: 1) Noguchi, M. *et al.*, 1993, *Science* **262**:1877. 2) Pribyl, J.A. and T.W. LeBien, 1996, *Proc. Natl. Acad. Sci.* **93**:10348. 3) Goodwin RG, Friend D, Ziegler SF, et al. *Cell.* 1990;60:941.

STORAGE CONDITIONS: *Store at 2 - 5^oC.* Freeze/Thawing is not recommended.

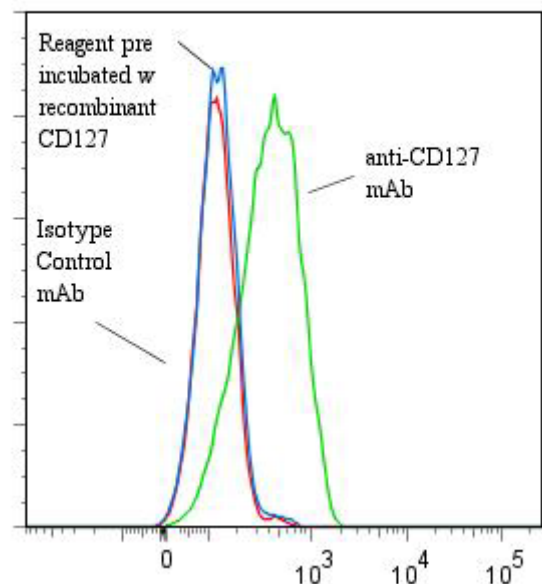
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10⁵ human **Nalm-6** cells were washed incubated 45 minutes on ice with 80 μ l of anti-human CD127 antibody at **10 μ g/ml**. Cells were washed twice and incubated with Goat-anti-Mouse/FITC (Cat# 232-011), after which they were washed twice, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.71 log₁₀** fluorescent units when compared to isotype control Mouse IgG1 antibody (catalog # 278-010). Binding was blocked when reagent was pre incubated with a 10-fold excess of recombinant CD127-muIg (cat# 539-020).

Binding of anti-CD127 antibody + GAM/FITC to human Nalm-6 cells



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