

PERFORMANCE DATA SHEET

1817

Monoclonal anti-human CD57 (HNK-1)*

mAb name/Clone: NK-1

Isotype: Mouse IgM κ

Immunogen: Human PBL

CATALOG#: 209-820 (Preservative-free)

QUANTITY: 100 μ g

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD57 originally called HNK-1 is a glycoprotein found on 15-20 percent of PBL's, including 60 percent of NK cells, and a subset of T cells (1). The immune regulation role of CD57 positive PBL's expressing high levels of CD8 is being investigated (2). Antibody NK-1 recognizes the CD57 molecule of about 110 kd.

References: 1) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 1412-1414. 2) E.C.Y. Wang, et al, (1995) J Immunol 155: 5046-5056.

STORAGE CONDITIONS: Store at 2 - 5°C. Open under aseptic conditions. Freeze/Thawing is not recommended.

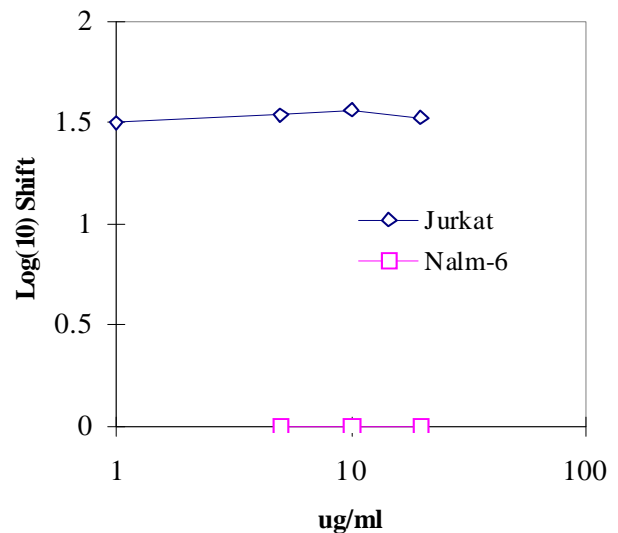
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was purified to 95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin) using size exclusion chromatography. Product was 0.2 μ m filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured **Jurkat** human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD57 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 1.54 log₁₀ fluorescent units when compared to a Mouse IgM negative control (Catalog #290-010) at a similar concentration.

Binding of anti-CD57 antibody to human cell lines



**This Product is intended for Laboratory Research use only.*