

PERFORMANCE DATA SHEET

2737

Monoclonal anti-human CD122 (IL-2R beta)*

mAb name/Clone: 9A2 (DU-2)

Isotype: Mouse IgG2ak

Immunogen: YT-1 acute human leukemia cells

CATALOG#: 343-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD122 (IL-2 R beta) associates with CD25 (IL-2R alpha) to form a high affinity receptor for IL-2 and is expressed on activated T cells, B cells and monocytes. The cytoplasmic domain of CD122 is involved with signal transduction. Antibody 9A2 is specific for the 75 kd beta subunit CD122 of the high affinity interleukin-2 receptor. Antibody 9A2 (DU-2) inhibits binding of IL-2 to IL-2R beta (CD122).

References: M.R. Fung, et al, (1991) J Immunol **147**: 1253-1260. M.A. Goldsmith, et al, (1994) J Biol Chem **269**: 14698-14704. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1858.

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

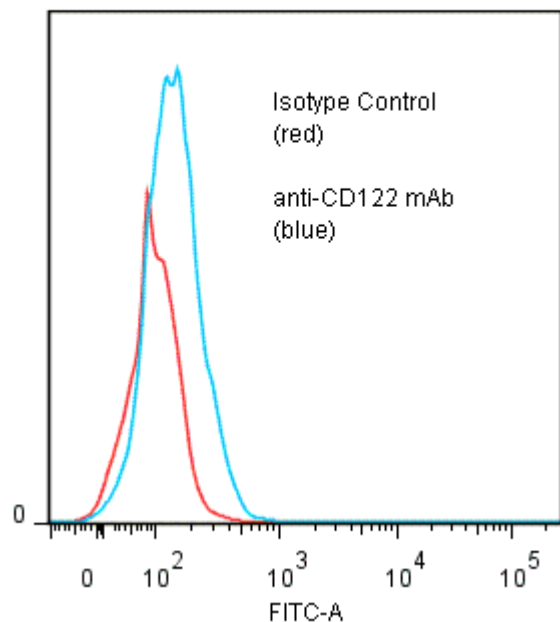
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

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. Product was 0.2µ sterile filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ ficoll prepared **human peripheral blood lymphocytes** were stimulated by incubating 5 days with 5 µg/ml PHA-P(Sigma). Stimulated cells were harvested and incubated 45 minutes on ice with 80 µl of anti-CD122 antibody at **20µg/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 **0.17 log₁₀** fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010).

Binding of anti-CD122 mAb +GAM/FITC to stimulated human PBL



**Research use only. Not for use in Diagnostic procedures.*