PERFORMANCE DATA SHEET
2737

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

mAb name/Clone: **9A2 (DU-2)**
Isotype: Mouse IgG2aκ
Immunogen: YT-1 acute human leukemia cells

CATALOG#: 343-020
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.

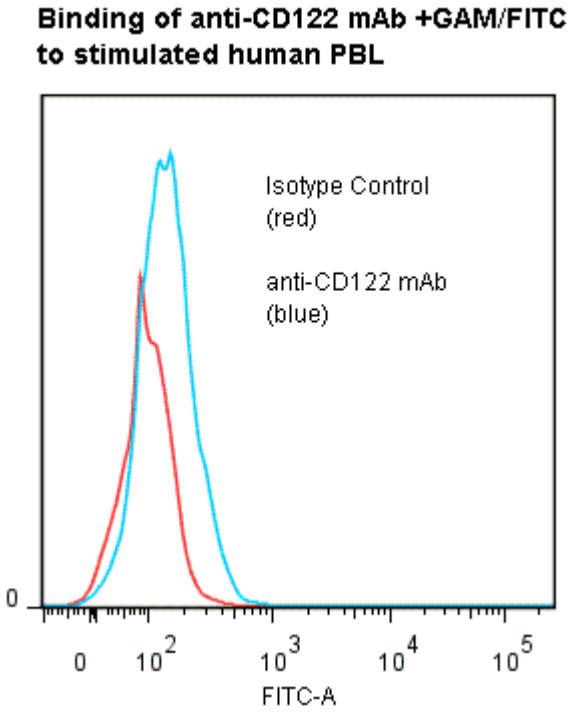
STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. Freeze/Thawing is not recommended.

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 and contains less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10^5 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** $\log_{10}$ fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010).



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

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