

PERFORMANCE DATA SHEET

2133

Monoclonal anti-human CD37*

mAb name/Clone: IPO-24

Isotype: Mouse IgG2bκ

Immunogen: Human spleen cells from a patient with hairy cell leukemia

CATALOG#: 186-020

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD37 is a member of the tetraspan family of cell surface molecules that apparently are involved in signal transduction or transporter system complexes. CD37 is strongly expressed on B lymphocytes (sIg-positive) and weakly on T cells, neutrophils and monocytes. Expression of CD37 disappears during B cell development at the plasma cell stage. IPO-24 recognizes the CD37 molecule of about 42-52 kd (4).

References: 1) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 544-545.

2) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 149-151.

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

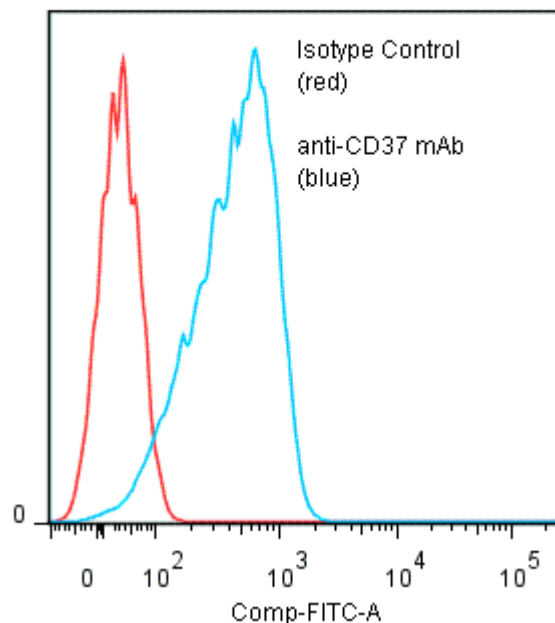
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10⁵ cultured human Raji cells per tube were incubated 45 minutes on ice with 80 µl of anti-CD37 antibody at a concentration of 5 µg/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 1.3 log₁₀ fluorescent units when compared to a Mouse IgG2b negative control (Catalog # 284-010) at a similar concentration.

Binding of anti-CD37 mAb +GAM/FITC to human Raii cells



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