

PERFORMANCE DATA SHEET

2739

Monoclonal anti-human CD37/Biotin*

mAb name/Clone: IPO-24

Isotype: Mouse IgG2bκ

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

CATALOG#: 186-030

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.

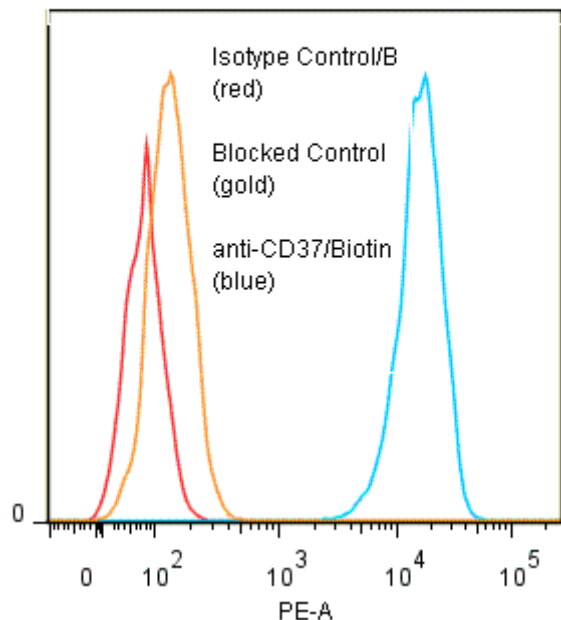
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10⁵ cultured human **Raji** cells per tube were incubated 45 minutes on ice with 80 µl of anti-CD37/Biotin at 5 µg/ml. Cells were then washed twice and incubated 45 minutes with 2^o reagent Streptavidin/R-PE (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 2.34 log₁₀ fluorescent units when compared to a Mouse IgG2b/Biotin (Catalog #284-030) negative control. Binding was blocked when pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD37 antibody (Catalog #186-020).

Binding of anti-CD37/Biotin +SA/PE to human Raji cells



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