## 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#: 186-820 QUANTITY: 100 μg** 

**CONCENTRATION: 1.0 mg/ml** 

**INFORMATION:** Human CD37 is a member of the tetraspan family of cell surface molecules that apparantly 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<sup>o</sup>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:\_\_\_\_\_

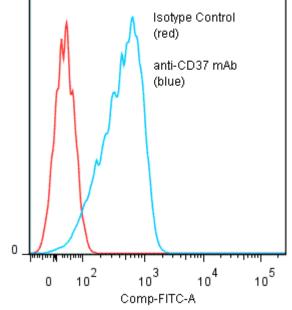
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

**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 0.2 µm filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  cultured human **Raji** cells per tube were incubated 45 minutes on ice with 80  $\mu$ l of anti-CD37 antibody at a concentration of **10**  $\mu$ g/ml. Cells were washed twice and incubated with  $2^0$  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**  $\log_{10}$  fluorescent units when compared to a Mouse IgG2b negative control (Catalog # 284-010).

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

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



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