

# PERFORMANCE DATA SHEET

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## 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 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. 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 vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human Raji cells per tube were incubated 45 minutes on ice with 80 µl of anti-CD37 antibody at a concentration of 10 µg/ml. Cells were washed twice and incubated with 2<sup>o</sup> 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<sub>10</sub> 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**

