## PERFORMANCE DATA SHEET

2129

## Monoclonal anti-human CD53\*



*mAb name/Clone:* 63.5A3 *Isotype:* Mouse IgG2b

Immunogen: Human sezary cells

**CATALOG#: 204-020 QUANTITY: 100 μg** 

CONCENTRATION: 1.0 mg/ml

**INFORMATION:** Human CD53 is a tetraspan cell surface glycoprotein found on all hemopoetic cells except platelets and red blood cells. Antibody 63.5A3 recognizes the CD53 molecule of about 32-42 kd. *References:* 1.) Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 534, 541. 2.) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 556-559. 3.) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 517-519.

**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>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).

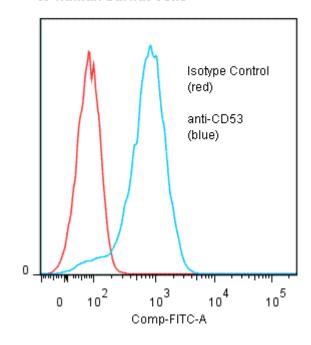
**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

**PERFORMANCE:** Five x 10<sup>5</sup> cultured human **Jurkat** cells per tube were incubated 45 minutes on ice with 80 μl

of anti-CD53 antibody at **5 µg/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 **1.03**  $\log_{10}$  fluorescent units when compared to a Mouse IgG2b negative control (Catalog # 284-010) at a similar concentration.

\*Research use only. Not for use in Diagnostic Procedures.

## Binding of anti-CD53 mAb +GAM/FITC to human Jurkat cells



Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940