

**PERFORMANCE DATA SHEET**

2129

**Monoclonal anti-human CD53\*****mAb name/Clone:** 63.5A3**Isotype:** Mouse IgG2b**Immunogen:** Human sezary cells**CATALOG#:** 204-820 (Preservative-free)**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°C. Open under aseptic conditions. Freeze/Thawing is not recommended.**PRODUCT STABILITY:** Product should retain activity for at least 6 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 **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<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 1.03 log<sub>10</sub> 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**