

*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 hemopoietic 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.*

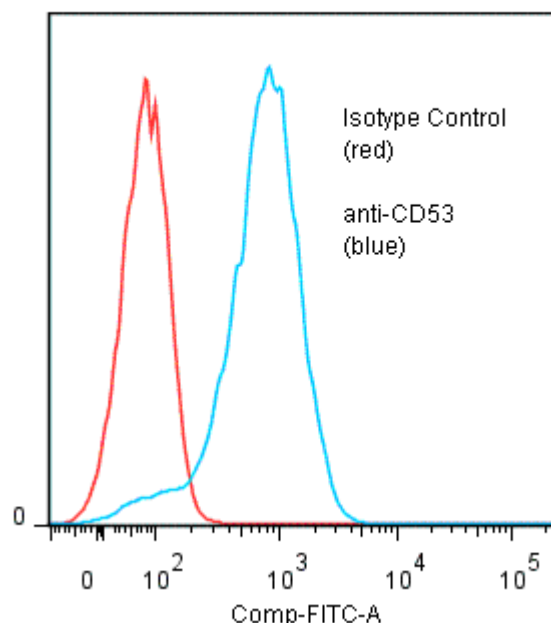
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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 10⁵ 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^o 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 log₁₀** fluorescent units when compared to a Mouse IgG2b negative control (Catalog # 284-010).

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



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