

PERFORMANCE DATA SHEET

1711

Monoclonal anti-human CD53/FITC*

mAb name/Clone: 63.5A3

Isotype: Mouse IgG2b

Immunogen: Human sezary cells

CATALOG#: 204-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (80µl/test)

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. Freeze/Thawing is not recommended. Protect from light.

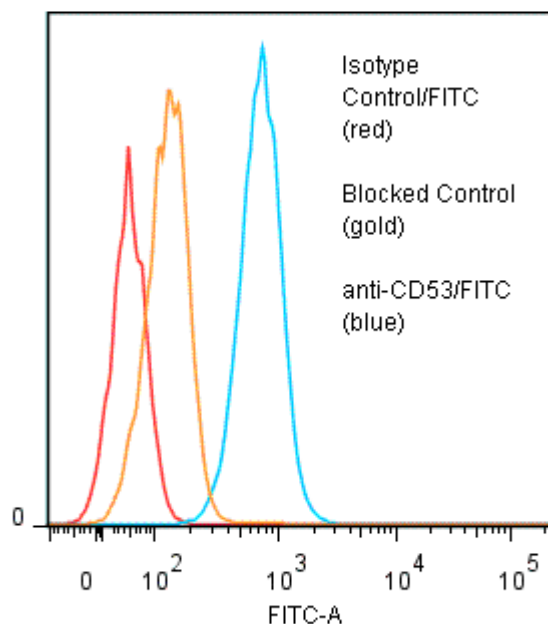
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at 0.5 mg/ml with a Fluorescein/Antibody molar ratio of 9.3.

PERFORMANCE: Five x 10⁵ cultured human **Jurkat** per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD53/FITC at a 1:50 dilution (10 µg/ml). Cells were washed three times, fixed and analyzed using a BD FACS Calibur. Cells stained positive with a mean shift of 1.22 log₁₀ fluorescent units when compared to a Mouse IgG2b/FITC negative control (Catalog # 284-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD53 antibody (Catalog #204-020).

Binding of anti-CD53/FITC to human Jurkat cells



**Research use only. Not for use in diagnostic procedures.*