

**PERFORMANCE DATA SHEET**

2638

**Monoclonal anti-human CD53/R-PE\***

**mAb name/Clone:** 63.5A3

**Isotype:** Mouse IgG2b

**Immunogen:** Human Sezary cells

**CATALOG#:** 204-050

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2 ml

**WORKING DILUTION:** 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell 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. Do not freeze! Protect from light.

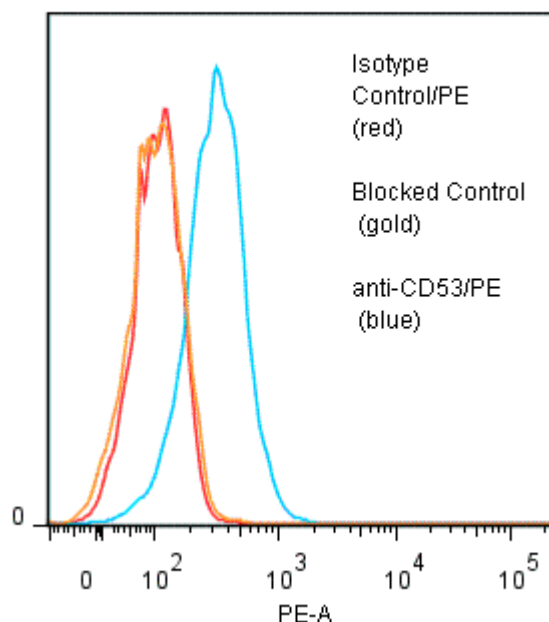
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: \_\_\_\_\_

**BUFFER:** 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant, and conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml with an A565/A280 ratio of 3.82.

**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/R-PE at a 1:50 dilution (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 0.53 log<sub>10</sub> fluorescent units when compared to a Mouse IgG2b/R-PE negative control (Catalog #284-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of anti-CD53 antibody at 0.5 mg/ml (Catalog #204-020).

**Binding of anti-CD53/PE to human Jurkat cells**



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