

PERFORMANCE DATA SHEET

2629

Monoclonal anti-human CD53/Biotin*

mAb name/Clone: 63.5A3

Isotype: Mouse IgG2b

Immunogen: Human Sezary cells

CATALOG#: 204-030

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. Freeze/Thawing is not recommended.

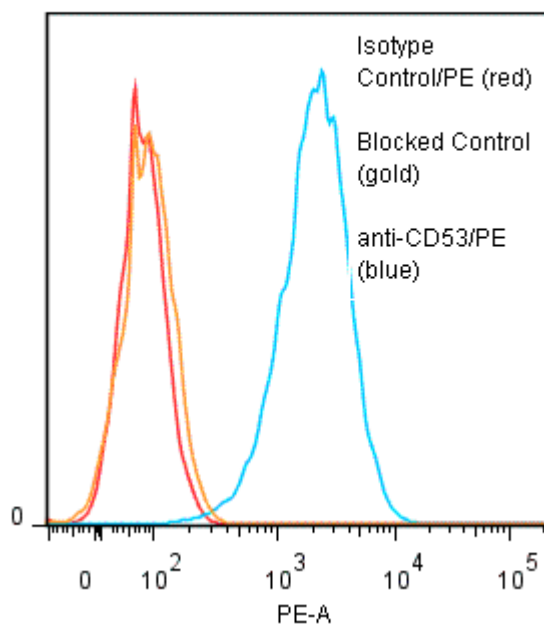
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10⁵ cultured human Jurkat cells per tube were incubated 45 minutes on ice with 80 µl of anti-CD53/Biotin at 10 µg/ml. Cells were then washed twice and incubated 45 minutes with 2^o reagent Streptavidin/R-PE (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.33 log₁₀ fluorescent units when compared to a Mouse IgG2b/Biotin (Catalog #284-030) negative control. 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/PE to human Jurkat cells



* Research Use Only. Not for use in Diagnostic procedures.