

PERFORMANCE DATA SHEET

3323

Monoclonal anti-human CD43 (leukosialin)/FITC*

mAb name/Clone: DFT1

Isotype: Mouse IgG1

Immunogen: Human KG-1 tumor cells

CATALOG#: 192-040

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5×10^5 -cell test)

INFORMATION: Human CD43 is a heavily O-glycosylated and sialylated transmembrane protein that is mainly found on T cells, but not on B cells. Antibody DFT1 recognizes epitope A of the CD43 molecule on pMN of about 135 kd (1,3).

Antibody DFT1 partially induces apoptosis in hemopoietic progenitor cells and also induces hemopoietic aggregation.

References: 1.) W.P. Stross, et al, (1989) J Clin Pathol 42:953-961. 2.) Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 1697-1713. 3.) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 494-497.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended. Protect from light.

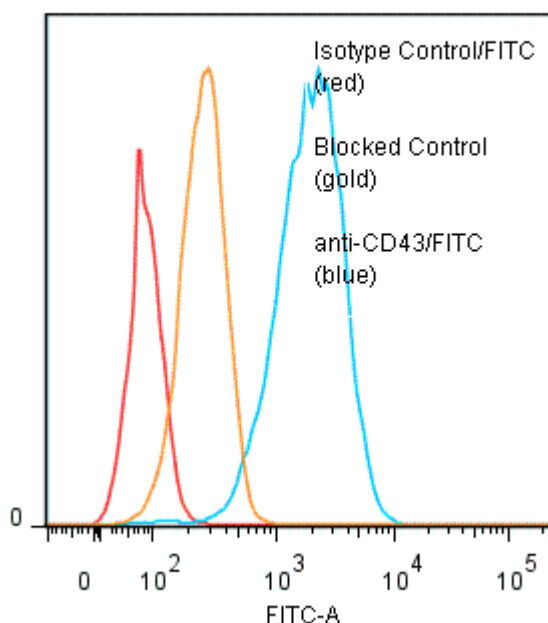
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

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.

PERFORMANCE: Five $\times 10^5$ cultured Jurkat cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD43/FITC at a 1:50 dilution factor (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.41 log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog # 278-040). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD43 antibody (Catalog #192-020).

Binding of anti-CD43/FITC to human Jurkat cells



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