PERFORMANCE DATA SHEET
3323

Monoclonal anti-human CD43 (leukosialin)*

mAb name/Clone: **DFT1**
Isotype: Mouse IgG1
Immunogen: Human KG-1 tumor cells

CATALOG#: 192-020
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

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 hemopoetic progenitor cells and also induces homopoetic 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^{o}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:_____

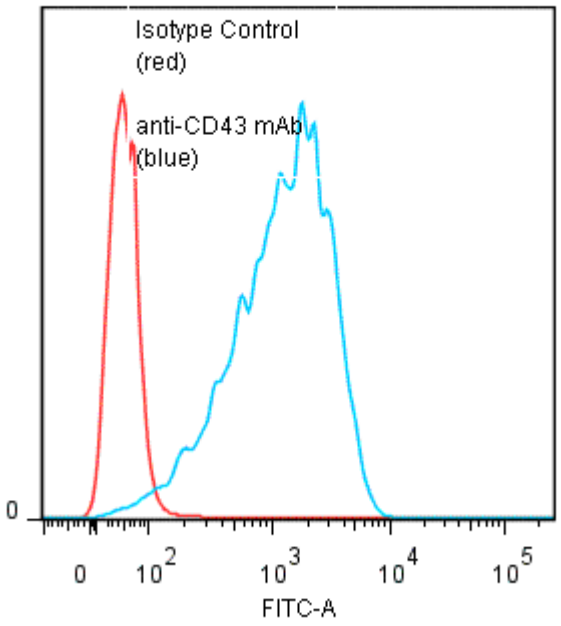
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10^5 cultured **Jurkat** cells per tube were incubated 45 minutes on ice with 80 µl of anti-CD43 antibody at **10 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 **1.52** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

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

Binding of anti-CD43 mAb +GAM/FITC to human Jurkat cells



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