PERFORMANCE DATA SHEET 2304 Monoclonal anti-human CD43 (leukosialin)/R-PE*

Ancel

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

CATALOG#: 192-050 QUANTITY: 120 tests VOLUME IN VIAL: 0.2 ml WORKING DILUTION: 1:50 (or use 1.6μl of concentrated stock per 5 x 10⁵-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 hemopoetic progenitor cells and also induces hemopoetic 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. Do not freeze! Protect from light.

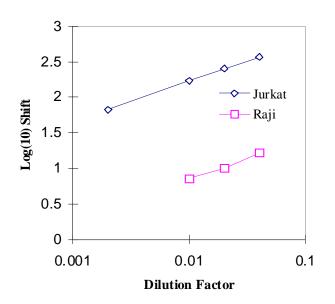
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was 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 A_{565}/A_{280} ratio of 2.65.

PERFORMANCE: Five x 10^5 cultured human **Jurkat** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD43/R-PE at a dilution factor of **1:50** (10µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.41** log₁₀ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog # 278-050) at a similar concentration. 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/R-PE to human cell lines



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