

**PERFORMANCE DATA SHEET**

2226

**Monoclonal anti-human CD43 (leukosialin)/R-PE \***

**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 10<sup>5</sup>-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% NaN<sub>3</sub> (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<sub>565</sub>/A<sub>280</sub> ratio of 2.73.

**PERFORMANCE:** Five x 10<sup>5</sup> 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 1.90 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD43 antibody (Catalog #192-020).

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

**Binding of anti-CD43/PE to human Jurkat cells**

