

# PERFORMANCE DATA SHEET

1818

## Monoclonal anti-human CD84/FITC\*

**mAb name/Clone:** 152.1D5

**Isotype:** Mouse IgG1

**Immunogen:** Human MLR stimulated lymphocytes

**CATALOG#:** 305-040

**QUANTITY:** 120 tests

**VOLUME IN VIAL:** 0.2ml

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

**INFORMATION:** Human CD84 is a cell surface glycoprotein found on mature B lymphocytes, monocytes, and a subset of T lymphocytes. Antibody 152.1D5 recognizes the CD84 molecule of about 74 kd (1,2).

**References:** (1) Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford (1995) p. 699-700, 1099, 1102. (2) Leukocyte Typing VI (T. Kishimoto, et al, eds.) Garland Publishing, Inc., New York (1997) p. 193-195.

**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% Na<sub>3</sub> (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** with a Fluorescein/IgG molar ratio of 9.1.

**PERFORMANCE:** Five  $\times 10^5$  cultured **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD84/FITC at a **1:50** dilution (10µg/ml). They were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.81** log<sub>10</sub> 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-CD84 antibody (Catalog #305-020).

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

**Binding of anti-CD84/FITC to human cell lines**

