

**PERFORMANCE DATA SHEET**

2410

**Monoclonal anti- human CD84/R-PE \*****mAb name/Clone:** 152.1D5**Isotype:** Mouse IgG1**Immunogen:** Human MLR stimulated lymphocytes**CATALOG#:** 305-050**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 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. 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 **500 µg/ml** with an A<sub>565</sub>/A<sub>280</sub> ratio of 2.89.**PERFORMANCE:** Five x 10<sup>5</sup> cultured human **Raji** cells per tube were washed and incubated 45 minutes on ice with 80 µl of anti-CD84/R-PE at a dilution factor of **1:50** (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.51 log<sub>10</sub>** fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when 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/PE to human Raji cells**