PERFORMANCE DATA SHEET
3124

Monoclonal anti-human CD84/Biotin*

mAb name/Clone: 152.1D5
Isotype: Mouse IgG1
Immunogen: Human MLR stimulated lymphocytes

CATALOG#: 305-030
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

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 not recommended.

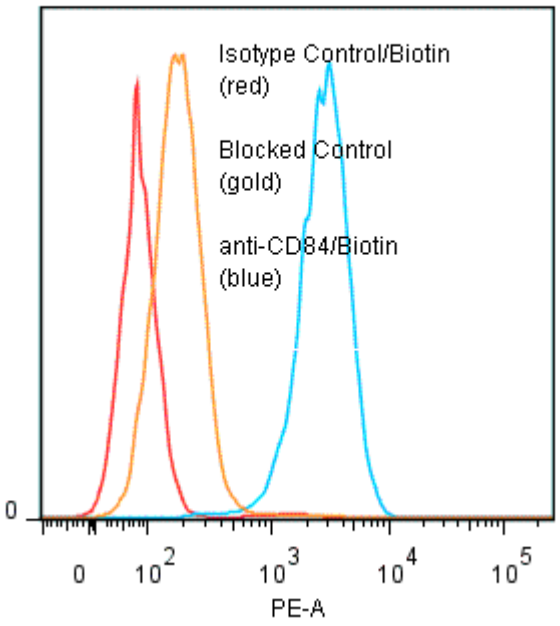
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10^5 cultured human **Raji** cells were washed and pre incubated 5 minutes with 20 µl of 250 µg/ml human IgG (to block non specific binding) after which they were incubated 45 minutes on ice with 80 µl of anti-CD84/Biotin at **10 µg/ml**. Cells were washed twice and incubated with 2° reagent Streptavidin/R-PE (Catalog #253-050) after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.31** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030. Binding was blocked when pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD84 antibody (Catalog #305-020).

Binding of anti-CD84/Biotin +SA/PE to human Raji cells



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