PERFORMANCE DATA SHEET
2131

Monoclonal anti-human CD80 (B7-1)/Biotin* (IgG1 isotype)

mAb name/Clone: **P1.H5.A1.A1**
Isotype: Mouse IgG1κ
Immunogen: Human CD80 (B7-1) Ig Fusion Protein

CATALOG#: 110-030
QUANTITY: 100 µg **CONCENTRATION: 1.0 mg/ml**

INFORMATION: Human CD80 (B7-1) is a costimulatory ligand for CD28 and CTLA-4. CD80 is expressed on activated B cells. Antibody P1.H5.A1.A1 recognizes the CD80 molecule and blocks binding of soluble CD152 Ig fusion protein to CD80.
References: C.B. Thompson, (1995) Cell **81**: 979-982. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 682-684.

STORAGE CONDITIONS: ***Store at 2 - 5°C***. Freeze/thawing not recommended.

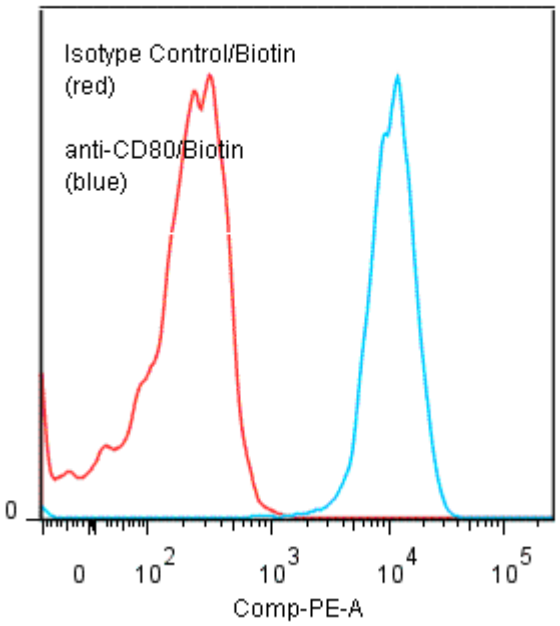
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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 **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD80/Biotin at **10 µg/ml**. Cells were washed twice and incubated with 2° reagent as described above, after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.68** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog # 278-030) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD80 antibody (Catalog #110-020).

Binding of anti-CD80/Biotin +SA/PE to human Raji cells



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

Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA
Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940