PERFORMANCE DATA SHEET
2131

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

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

CATALOG#: 110-050
QUANTITY: 120 tests **VOLUME IN VIAL: 0.2 ml**
WORKING DILUTION: 1:50 (or use 1.6ul of concentrated stock per 5 x 10^5-cell test)

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.*** **Do not freeze! Protect from light.**

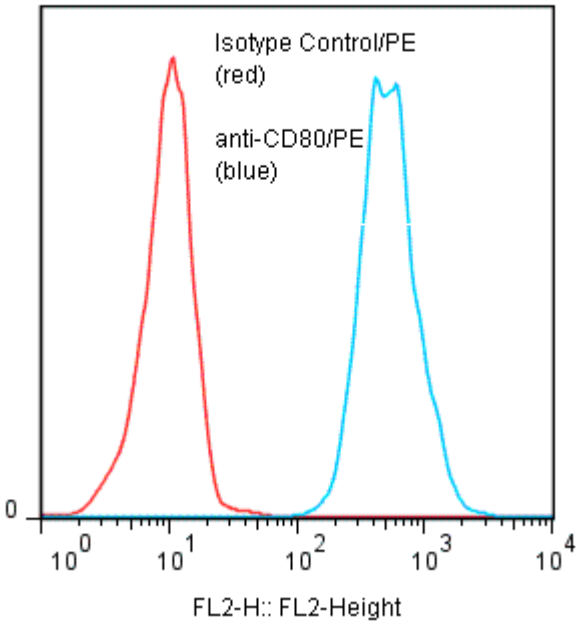
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN_3 (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 **1.0 mg/ml** with an A_{565}/A_{280} ratio of 2.81.

PERFORMANCE: Five x 10^5 cultured **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD80/R-PE at a **1:50** dilution (20 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.72** $\log_{10}$ fluorescent units when compared to a Mouse IgG1/R-PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD80 (P1.H5.A1.A1) antibody (Catalog #110-020).

Binding of anti-CD80/PE to human Raji cells



Research use only. Not for use in Diagnostic procedures.
R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

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