

PERFORMANCE DATA SHEET
2131

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

mAb name/Clone: P1.H5.A1.A1

Isotype: Mouse IgG1 κ

Immunogen: Human CD80 (B7-1) Ig Fusion Protein

CATALOG#: 110-020

QUANTITY: 100 μ g

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 is 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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10⁵ cultured human **Raji** cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD80 at **10 μ g/ml**. Cells were washed twice and incubated with 2^o reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **0.94 log₁₀** fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010) at a similar concentration.

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

Binding of anti-CD80 mAb +GAM/FITC to human Raji cells

