

# PERFORMANCE DATA SHEET

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

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

**Isotype:** Mouse IgG1 $\kappa$

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

**CATALOG#:** 110-020

**QUANTITY:** 100  $\mu$ 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.

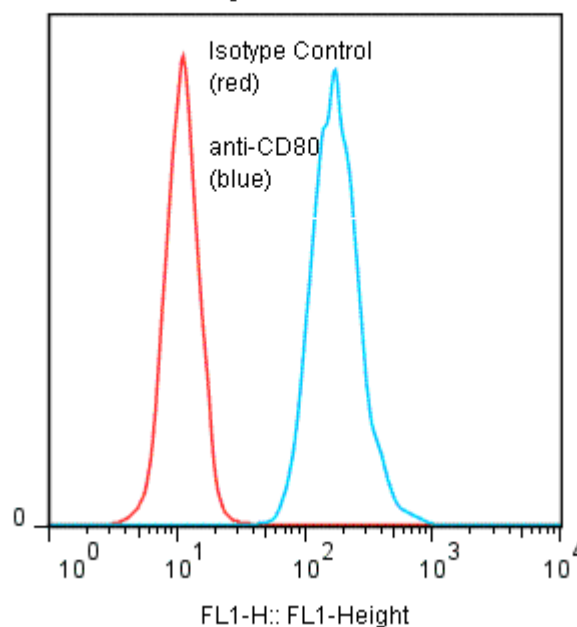
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

**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 10<sup>5</sup> cultured human **Raji** cells were washed and incubated 45 minutes on ice with 80  $\mu$ l of anti-CD80 at 10  $\mu$ g/ml. Cells were washed twice and incubated with 2<sup>o</sup> 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 log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

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



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