

PERFORMANCE DATA SHEET

3116

Monoclonal anti-human CD86(B7-2)/Biotin*

mAb name/Clone: BU63

Isotype: Mouse IgG1

Immunogen: ARH-77 (B-lymphoblastoid cell line)

CATALOG#: 307-030

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD86 (B7-2) is a costimulating ligand for CD28 and CTLA-4. CD86 is expressed on activated B cells and blood monocytes (3). Antibody BU63 recognizes the CD86 molecule of 80 kd (3). Antibody BU63 blocks MLR and blocks binding of soluble CD152-µIg fusion protein to CD86.

Reference: 1. J. Aramburu, et al, (1990) J Immunol 144: 3238-3247. 2. J. Aramburu, et al, (1991) J Immunol 147: 714-721. 3. A. Moretta, et al, (1994) J Exp Med 180: 545-555. 4. C. Chang, et al, (1995) Eur J Immunol 25: 2433-2437. 5. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1437-1439.

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

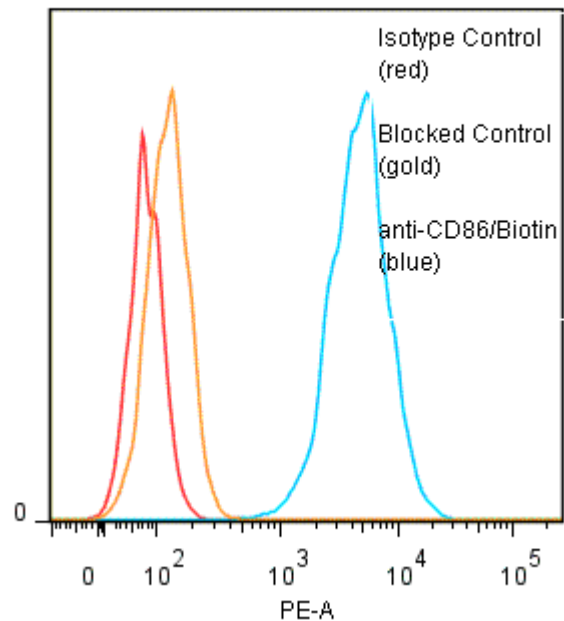
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% Na₃ (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 10⁵ cultured **Raji** human tumor cells were washed and incubated 45 minutes with 80 µl of anti-CD86/Biotin at **5 µg/ml**. Cells were then washed twice and incubated with 2^o reagent Streptavidin/R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.90 log₁₀** fluorescent units when compared to a Mouse IgG1/Biotin negative control (Catalog #278-030). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD86 antibody (Catalog #307-020).

Binding of anti-CD86/Biotin +SA/PE to human Raji cells



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