

Monoclonal anti-human CD86(B7-2)*

mAb name/Clone: BU63

Isotype: Mouse IgG1

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

CATALOG#: 307-820 (Preservative Free)

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-muIg 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. *Open under aseptic conditions.* Freeze/Thawing is not recommended.

PRODUCT STABILITY: Product should retain activity for at least 6 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

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 incubated 45 minutes on ice with 80 µl of anti-CD86 antibody at 5 µg/ml. Cells were washed twice and incubated with 2^o reagent Goat anti-Mouse IgG/FITC (Catalog #232-011) at a 1:60 dilution factor, after which they were washed three times, fixed and analyzed using a BD FACstar plus. Cells stained positive with a mean shift of 1.30 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog # 278-010).

**Research use only. Not for use in Diagnostic procedures.*

