**PERFORMANCE DATA SHEET**
**1818**

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

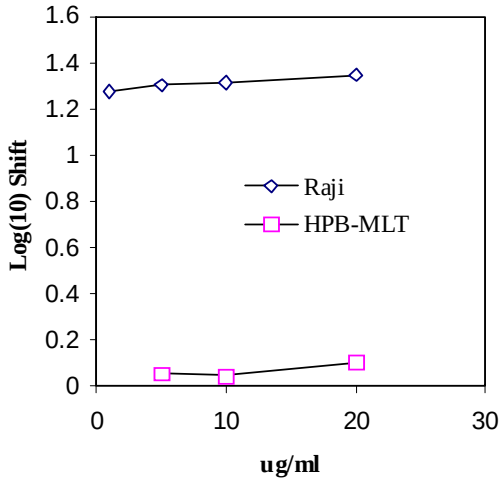
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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

**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin. Product was 0.2µ sterile filtered and vialed under aseptic conditions.

**PERFORMANCE:** Five x $10^5$ 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° 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 **1.30** $\log_{10}$ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

**Binding of anti-CD86 antibody to human cell lines**




****This Product is intended for Laboratory Research use only.***

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