## PERFORMANCE DATA SHEET 2146



## 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.

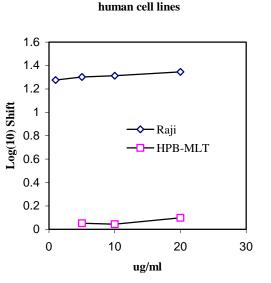
**STORAGE CONDITIONS:** *Store at 2 - 5<sup>o</sup>C*. *Open under aseptic conditions*. Freeze/Thawing is not recommended.

**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  $10^5$  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  $2^{\circ}$  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** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010).



Binding of anti-CD86 antibody to

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

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