

PERFORMANCE DATA SHEET

1818

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

mAb name/Clone: BU63

Isotype: Mouse IgG1

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

CATALOG#: 307-040

QUANTITY: 120 tests

VOLUME IN VIAL: 200 µl

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-cell test)

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. Protect from light.

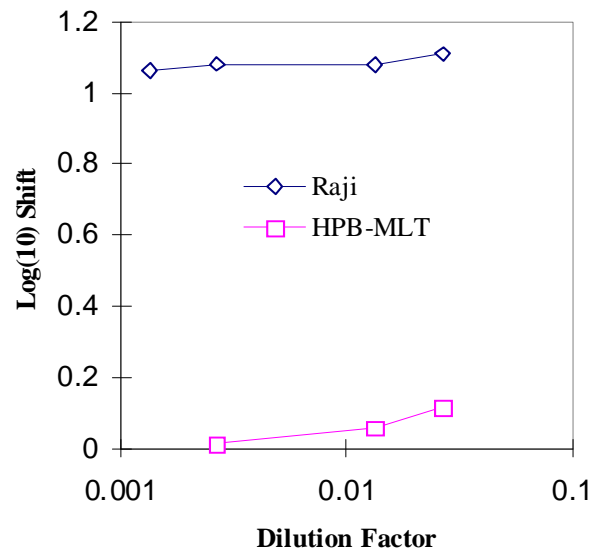
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at 0.37 mg/ml with a Fluorescein/IgG molar ratio of 8.3.

PERFORMANCE: Five x 10⁵ cultured **Raji** cells were incubated 45 minutes on ice with 80 µl of anti-CD86/FITC at a 1:50 dilution (7.5 µg/ml). Cells were then washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 1.10 log₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog #278-040) at a similar concentration. 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/FITC to human cell lines



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