PERFORMANCE DATA SHEET

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Monoclonal anti-human CD86 (B7-2)/R-PE*

Clone: BU63
Isotype: Mouse IgG1

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

CATALOG#: 307-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6μl of concentrated reagent per 5x10⁵-cell test)

INFORMATION: Antibody BU63 recognizes CD86 (B7-2) which binds to CD28 and CTLA-4.

Reference: Characterized by the 5th International Workshop on Human Leukocyte Differentiation Antigens,

November 1993. C. Caux, et al, J Exp Med (1994) 180: 1841-1847.

STORAGE CONDITIONS: *Store at 2 - 5°C*. **Do not freeze!** 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, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

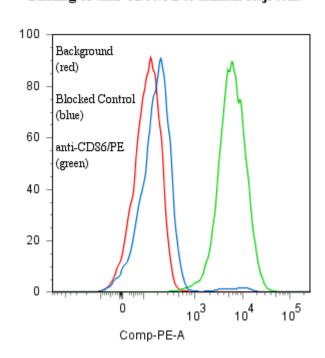
PURITY: Pre conjugation antibody preparation was >95% Immunoglobulin by SDS-PAGE. Product contains less than 1% Bovine Immunoglobulin.

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant, and conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at 0.5 mg/ml with an A_{565}/A_{280} ratio of 2.7

PERFORMANCE: Five x 10^5 cultured **Raji** human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD86/R-PE at a **1:50** dilution (10μ g/ml). Cells were washed three times and fixed. Cells stained positive with a mean shift of **1.73** \log_{10} fluorescent units when compared to a Mouse IgG1/PE negative control (Catalog #278-050) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD86 antibody (Catalog #307-020).

*For Rsearch Use Only. Not for use in Diagnostic procedures. R-Phycoerythrin (R-PE) is covered under patents: U.S. 4,520,110; European 76,695 and Canadian 1,179,942.

Binding of anti-CD86/PE to human Raji cells



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