PERFORMANCE DATA SHEET ¹⁹⁵² Monoclonal anti-human CD86 (B7-2)/R-PE*



Clone: BU63 Isotype: Mouse IgG1 Immunogen: ARH-77 (B-lymphoblastoid cell line)

CATALOG#: 307-050VOLUME IN VIAL: 0.2 mlQUANTITY: 120 testsVOLUME IN VIAL: 0.2 mlWORKING 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:_____

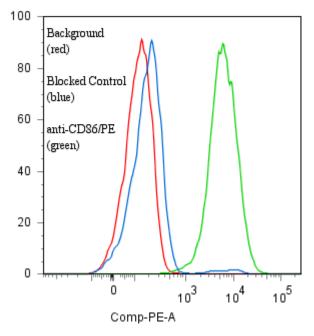
BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 15% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

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 µl of anti-CD86/R-PE at a **1:50** dilution (10µg/ml). Cells were washed three times and fixed. Cells stained positive with a mean shift of **1.73** log₁₀ fluorescent units when compared to a Mouse IgG1/PE negative control (Catalog #278-050). 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/PE to human Raji cells



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

