

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#: 307-050

QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated reagent per 5×10^5 -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% Na₃ (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 A₅₆₅/A₂₈₀ ratio of 2.7

PERFORMANCE: Five x 10⁵ 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).

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

Binding of anti-CD86/PE to human Raji cells

