

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% 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 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) 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).***For Research 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**