PERFORMANCE DATA SHEET

2125

Monoclonal anti-human CD70*



mAb name/Clone: BU69 *Isotype:* Mouse IgG1

Immunogen: Human WM-1 (Waldenström's macroglobulinemia) cell line

CATALOG#: 222-020 QUANTITY: 100 μg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD70 is not present on resting lymphocytes. CD70 is expressed after activation on about 20% of T cells and on about 70% of B cells. CD70 is a ligand for CD27 and it is also a member of the tumor necrosis factor gene family. Antibody BU69 recognizes CD70 molecule of approximately 30 kd. Antibody BU69 inhibits T cell proliferation induced by dendritic cells.

References: R.Q. Hintzen, et al, (1994) J Immunol **152**: 1762-1773. M.R. Bowman, et al, (1994) J Immunol **152**: 1756-1761. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1137-1138. K. Agematsu, et al, (1995) J Immunol **154**: 3627-3635.

STORAGE CONDITIONS: *Store at 2 - 5^oC*. Freeze/Thawing is not recommended.

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

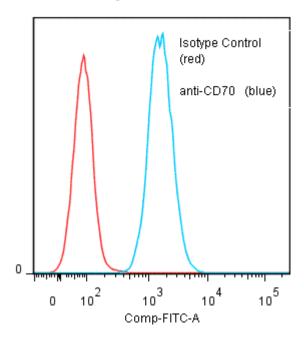
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE and contains less than 1% Bovine Immunoglobulin.

Binding of anti-CD70 mAb +GAM/FIT

PERFORMANCE: Five x 10^5 cultured **Raji** human tumor cells were washed and incubated 45 minutes on ice with 80 μ l of anti-CD70 at a concentration of **10** μ g/ml. Cells were washed twice and incubated with 2^0 reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.30** log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

Binding of anti-CD70 mAb +GAM/FITC to human Raji cells



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