

PERFORMANCE DATA SHEET

2746

Monoclonal anti-human CD60*

mAb name/Clone: UM4D4

Isotype: Mouse IgM

Immunogen: Human rheumatoid synovial T cell line (ST-1)

CATALOG#: 212-820 (Preservative-free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD60 antigen is a glycolipid determinant found on about 30% of peripheral blood T cells. The glycolipid determinant is linked to a glycoprotein which can transduce activation signals. Antibody UM4D4 recognizes a 9-0-acetylated disialosyl group linked to the glycoprotein CD60. Antibody UM4D4 will activate T cells.

References: J.B. Higgs, et al, (1988) J Immunol **140**: 3758-3765. D.A. Fox, et al, (1990) Cell Immunol **128**: 480-489. B. Kniep, et al, (1993) Blood **82**: 1776-1786. E.P. Rieber & G. Rank, (1994) J Exp Med **179**: 1385-1390. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 398-404.

STORAGE CONDITIONS: Store at 2 - 5°C. Do not Freeze! Open under aseptic conditions.

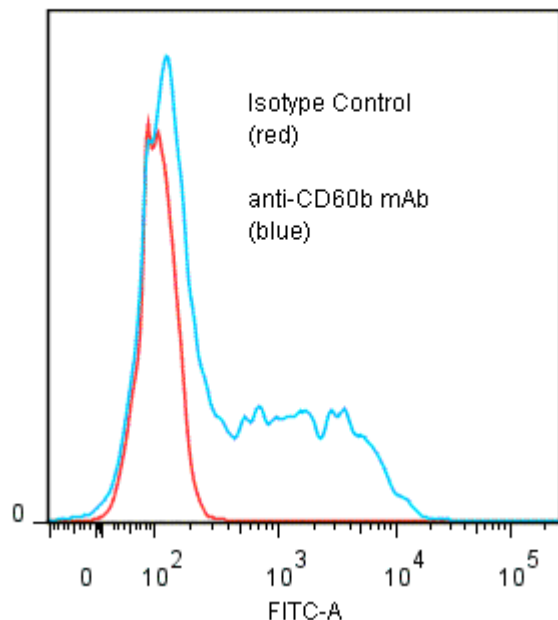
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl.

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was purified to 95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin) using size exclusion chromatography. Product was 0.2 µm filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured Molt-4 human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD60 at 10 µg/ml. Cells were washed twice and incubated with 2^o reagent Goat anti-Mouse IgG/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. A 36% sub population of the cells stained positive with a mean shift of 1.44 log₁₀ fluorescent units when compared to a Mouse IgM negative control (Catalog #290-010).

Binding of anti-CD60b mAb +GAM/FITC to human Molt-4 cells



* Research Use Only. Not for use in Diagnostic procedures.