

PERFORMANCE DATA SHEET

3325

Monoclonal anti-human CD74*

mAb name/Clone: M-B741

Isotype: Mouse IgG2a

Immunogen: RPMI 1788 Cell Line

CATALOG#: 226-820 (Preservative Free)

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD74 is expressed intracellularly and on the cell surface of MHC Class II positive cells such as B cells, monocytes, macrophages, Langerhans cells and dendritic cells. CD74 has several important functions relating to antigen presentation by MHC Class II molecules. Antibody M-B741 recognizes the CD74 molecule of about 33 kd.

References: Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 568-574. P. Romagnoli & R.N. Germain, (1995) J Exp Med **182**: 2027-2036.

STORAGE CONDITIONS: Store at 2 - 5°C. Freeze/Thawing is not recommended. Open under aseptic conditions.

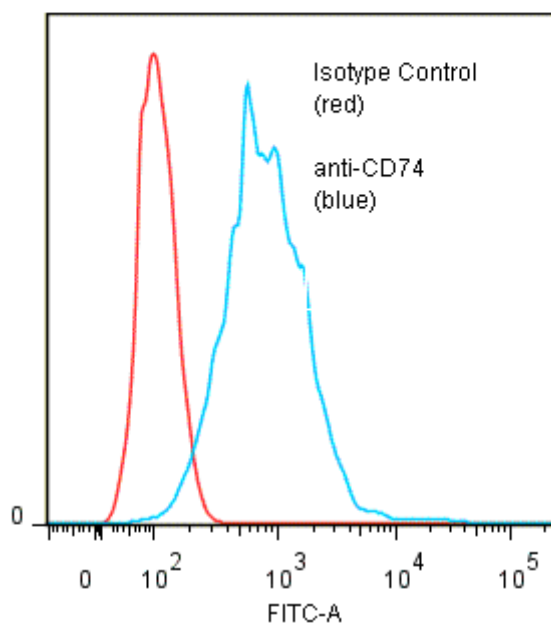
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.

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. Product was 0.2µ sterile filtered and vialled under aseptic conditions.

PERFORMANCE: Five x 10⁵ cultured **Raji** cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD74 antibody 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. Cells stained positive with a mean shift of 1.06 log₁₀ fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010).

Binding of anti-CD74 mAb +GAM/FITC to human Raji cells



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