

Monoclonal anti-human CD24*

mAb name/Clone: BA-1

Isotype: Mouse IgM

Immunogen: Human B lymphocyte tumor cells: Nalm-6-M1

CATALOG#: 173-020

QUANTITY: 100 µg

CONCENTRATION: 1.0 mg/ml

INFORMATION: Human CD24 is a glycosyl phosphatidyl inositol (GPI) anchored surface protein found on B cells during multiple stages of development from precursor to the onset of plasma cell differentiation. Antibody BA-1 recognizes a sialic acid-dependent epitope of human CD24 of approximately 35/45 kd.

References: C.S. Abramson, et al, (1981) J Immunol **126**: 83-88. H. Mehmet, et al, (1990) Clin Exp Immunol **81**: 489-495. Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) p. 82-84. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 539-543.

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

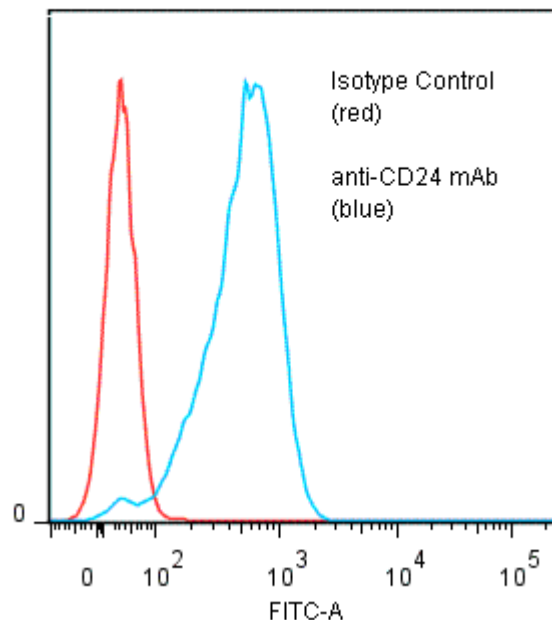
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date: _____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

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

PERFORMANCE: Five x 10⁵ cultured **Nalm-6** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD24 at **10 µg/ml**. Cells were washed twice and incubated with 2^o reagent Goat anti-Mouse/FITC (Catalog #232-011), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.32 log₁₀** fluorescent units when compared to a Mouse IgM isotype control (Catalog # 290-010).

Binding of anti-CD24 mAb +GAM/FITC to human Nalm-6 cells



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