PERFORMANCE DATA SHEET
1908

Monoclonal anti-human CD24/Biotin*

mAb name/Clone: **BA-1**
Isotype: Mouse IgM
Immunogen: Human B lymphocyte tumor cells: Nalm-6-M1

CATALOG#: 173-030
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, J.H. Kersey & T.W. LeBien, J Immunol (1981) **126**: 83-88. H. Mehmet, M. Larkin, P.W. Tang, T.W. LeBien & T. Feizi, Clin Exp Immunol (1990) **81**: 489-495.

STORAGE CONDITIONS: ***Store at 2 - 5^{o}C***. Freeze/thawing not recommended.

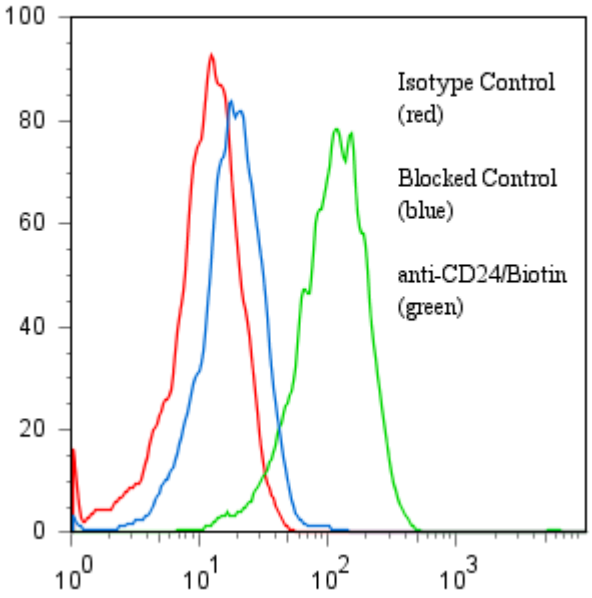
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

BUFFER: 50 mM Sodium Phosphate pH 7.5, 500 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.3% BSA, 0.04% NaN_3 (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was Protein A purified to >95% mouse immunoglobulin by SDS-PAGE (<1% bovine immunoglobulin), and reacted with NHS-Biotin. Unconjugated Biotin was removed from conjugate using a desalting column.

PERFORMANCE: Five x 10^5 cultured **Nalm-6** cells were incubated 45 minutes on ice with 80 µl of anti-CD24/Biotin at a concentration of **10 µg/ml**. Cells were then washed twice and incubated 45 minutes with 2^{o} reagent Streptavidin R-Phycoerythrin (Catalog #253-050), after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.1** $\log_{10}$ fluorescent units when compared to a Mouse IgM/Biotin negative control (Catalog #290-030) at a similar concentration. This shift was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD24 antibody (Catalog #173-020).

Binding of anti-CD24/Biotin +SA/PE to human Nalm-6 cells



****This Product is intended for Laboratory Research use only.***

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