

**PERFORMANCE DATA SHEET**

1913

**Monoclonal anti-human CD24\***

**mAb name/Clone:** BA-1

**Isotype:** Mouse IgM

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

**CATALOG#:** 173-820

**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. Open under aseptic conditions. 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.

**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 10<sup>5</sup> 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<sup>o</sup> 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 **1.01** log<sub>10</sub> fluorescent units when compared to a Mouse IgM negative control (Catalog # 290-010).

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

