

PERFORMANCE DATA SHEET

2350

Monoclonal anti-human CD24/FITC***mAb name/Clone:** BA-1**Isotype:** Mouse IgM**Immunogen:** Human B lymphocyte tumor cells: Nalm-6-M1**CATALOG#:** 173-040**QUANTITY:** 120 tests**VOLUME IN VIAL:** 0.2 ml**WORKING DILUTION:** 1:50 (80µl/test)

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. Do not Freeze! Protect from light.

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, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Antibody from (low FBS containing) tissue culture supernatant was size exclusion purified to 90% Immunoglobulin by SDS-PAGE, and reacted with FITC. Unconjugated FITC was removed from conjugate using a desalting column. Antibody conjugate is at **1.0 mg/ml** with a fluorescein:antibody ratio of 47.8.

PERFORMANCE: Five x 10⁵ ficoll prepared human **PBL** were washed and incubated 45 minutes on ice with 80 µl of anti-CD24/FITC at a **1:50** dilution (20 ug/ml). Cells were then washed three times, fixed and analyzed by FACS. A 9% sub population of the cells stained positive with a mean shift of **2.07** log₁₀ fluorescent units when compared to a Mouse IgM/FITC negative control (Catalog #290-040). Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD24 antibody (Catalog #173-020).

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

Binding of anti-CD24/FITC to human PBL

