## PERFORMANCE DATA SHEET <sup>1815</sup> *Monoclonal* anti-human CD44\*

*mAb name/Clone:* BU75 *Isotype:* Mouse IgG2a *Immunogen:* Human tonsil germinal center B cell enriched

## CATALOG#: 352-820 QUANTITY: 100 µg (Preservative-free)

## **CONCENTRATION: 1.0 mg/ml**

**INFORMATION:** Human CD44 molecules appear to serve as lymphocyte adhesion molecules with numerous functions in extracellular matrix binding, cell migration, hemopoisis, and lymphocyte homing. Antibody BU75 recognizes epitope 2 of the CD44 molecule which interacts with hyaluronate (HA) mediating binding of lymphocytes to high endothelial venules. Antibody BU75 blocks binding of HA to CD44. *References:* B.F. Hynes, et al, (1993) Adv Immunol **54**: 271-335. Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1713-1742. H.X. Liao, et al, (1995) J Immunol **155**: 3938-3945.

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

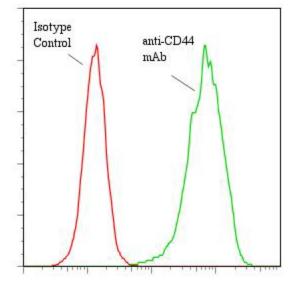
**PRODUCT STABILITY:** Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:\_\_\_\_\_

BUFFER: 50 mM Sodium Phosphate pH 7.5, 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 vialed under aseptic conditions.

**PERFORMANCE:** Five x  $10^5$  cultured **Molt-4** human tumor cells were washed and incubated 45 minutes on ice with 80 µl of anti-CD44 antibody at a concentration of **5** µg/ml. Cells were washed twice and incubated with  $2^{\circ}$  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 **1.75** log<sub>10</sub> fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010) at a similar concentration.

## Binding of anti-CD44(clone BU75) + GAM/FITC to human Molt-4 cells



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

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