

## PERFORMANCE DATA SHEET

1815

# 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, hemopoiesis, 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 vialled under aseptic conditions.

**PERFORMANCE:** Five x 10<sup>5</sup> 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<sup>o</sup> 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.

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

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

