PERFORMANCE DATA SHEET
2925

Monoclonal anti-human CD44*

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

CATALOG#: 352-820 (Preservative-free)
QUANTITY: 100 µg **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^{o}C***. Freeze/Thawing is not recommended. ***Open under aseptic conditions.***

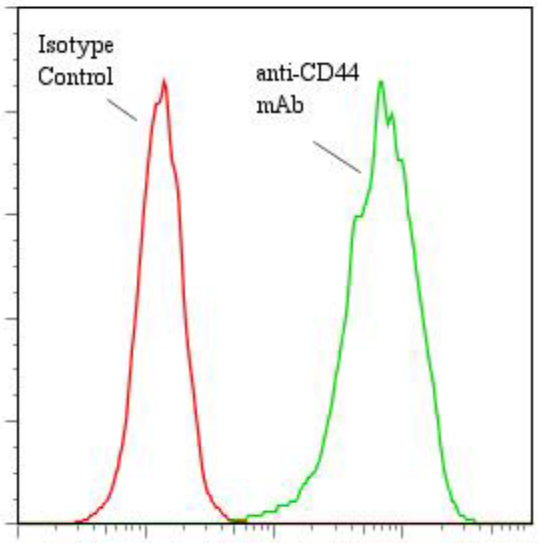
PRODUCT STABILITY: Product should retain activity for at least 12 months after shipping date when stored as recommended. Ship Date:_____

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^{o} 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** $\log_{10}$ fluorescent units when compared to a Mouse IgG2a negative control (Catalog #281-010).

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



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

Ancell Corporation P.O. Box 87 Bayport, MN 55003-0087 USA
Phone: Toll free 800-374-9523 or 651-439-0835 Fax: 651-439-1940