## PERFORMANCE DATA SHEET

3120

## Monoclonal anti-human CD44/R-PE\*



*mAb name/Clone:* BU75 *Isotype:* Mouse IgG1

*Immunogen:* T cell line (from patient with CLL)

CATALOG#: 352-050
QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml
WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10<sup>5</sup>-cell test)

**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.

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**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, 15% Glycerol, 0.2% BSA, 0.04% NaN<sub>3</sub> (as a preservative).

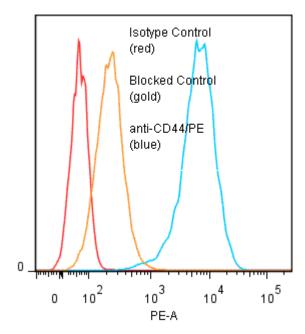
**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant, and conjugated to R-Phycoerythrin through a sulfo-ester linkage. Unconjugated antibody was removed using size exclusion chromatography. Antibody conjugate is at **0.5** 

mg/ml.

**PERFORMANCE:** Five x  $10^5$  cultured human **Molt-4** cells were incubated 45 minutes on ice with 80 µl of product at a dilution factor of **1:50** (10 µg/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **2.09**  $\log_{10}$  fluorescent units when compared to a Mouse IgG1/PE negative control (Catalog #278-050. Binding was blocked when cells were pre incubated 10 minutes with 20 µl of 0.5 mg/ml anti-CD44(BU75) antibody (Catalog #352-020).

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

## Binding of anti-CD44(BU75)/PE to human Molt-4 cells



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