

PERFORMANCE DATA SHEET

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Monoclonal anti-human CD44***mAb name/Clone:** BU52**Isotype:** Mouse IgG1**Immunogen:** Human peripheral myeloma cells**CATALOG#:** 193-020**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, hemopoiesis, and lymphocyte homing. Antibody BU52 recognizes epitope 1 of the CD44 molecule, and is useful for Western Blot (4).

References 1) Leukocyte Typing IV (W. Knapp, et al, eds.) Oxford University Press, Oxford, (1989) 619-627. 2) D. J. Anstee, et al, (1991) Immunology **74**: 197-205. 3) F. Hynes, et al, (1993) Adv Immunol **54**: 271-335. .X. Liao, et al, (1995) J Immunol **155**: 3938-3945. 4) I. Okamoto, et al, (1999) J Biol Chem **274**: 25525-25534.

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, 0.5 mg/ml Gentamicin Sulfate (as a preservative).

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.

PERFORMANCE: Five x 10⁵ ficoll prepared human peripheral blood mononuclear cells were pre incubated ~5 minutes with 300 µg/ml human IgG (to block nonspecific binding), after which they were incubated with 80 µl of anti-CD44(epitope 1) antibody at 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. A 97% population of the cells stained positive with a mean shift of 2.36 log₁₀ fluorescent units when compared to a Mouse IgG1 negative control (Catalog #278-010) at a similar concentration.

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

Binding of anti-CD44 mAb +GAM/FITC to human PBMC