

PERFORMANCE DATA SHEET

1947

Monoclonal anti-human CD44 F(ab')₂*

mAb name/Clone: BU52

Isotype: Mouse IgG1

Immunogen: Human peripheral myeloma cells

CATALOG#: 193-520

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. Open under aseptic conditions. 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. Product was sterile filtered and vialled under aseptic conditions. **No preservative added.**

PRODUCTION: Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Immunoglobulin was enzymatically cleaved using Immobilized Ficin. F(ab')₂ was separated from intact antibody and Fc fragments by Protein A and Size exclusion chromatography. No intact antibody was observed by SDS-PAGE.

PERFORMANCE: Five x 10⁵ Ficoll prepared human **peripheral blood mononuclear cells** were incubated 45 minutes on ice with 80 µl of anti-CD44 F(ab')₂ 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 using a lymphoid gate. Cells stained positive with a mean shift of **2.13 log₁₀** fluorescent units when compared to a Mouse IgG1 F(ab')₂ (Catalog #278-520) at a similar concentration.

**For Research Use Only. Not For Use in Diagnostic Procedures*

Binding of anti-CD44 F(ab')₂ + GAM/FITC to human PBL

