## PERFORMANCE DATA SHEET 3206 *Monoclonal* anti-human CD44 Fab monomer\*



*mAb name/Clone:* BU52 *Isotype:* Mouse IgG1 *Immunogen:* Human peripheral myeloma cells

## CATALOG#: 193-580 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 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<sup>o</sup>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 vialed under aseptic conditions. **No preservative added.** 

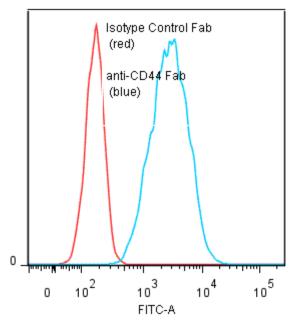
**PRODUCTION:** Antibody was Protein A purified from (low FBS containing) tissue culture supernatant.

Immunoglobulin was enzymaticly cleaved using Immobilized Ficin. Fab was separated from intact antibody  $F(ab')_2$  and Fc fragments by Protein A and Size exclusion chromatography. No intact antibody was observed by SDS-PAGE.

**PERFORMANCE:** Five x  $10^5$  cultured human Molt-4 cells were incubated 45 minutes on ice with 80 µl of anti-CD44 Fab at **5 µg/ml**. Cells were washed twice and incubated with  $2^{\circ}$  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 **1.28** log<sub>10</sub> fluorescent units when compared to a Mouse IgG1 Fab (Catalog #278-580).

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

Binding of anti-CD44 Fab +GAM/FITC to human Molt-4 cells



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