PERFORMANCE DATA SHEET

1817

Monoclonal anti-human CD44/FITC*

mAb name/Clone: BU52 *Isotype:* Mouse IgG1

Immunogen: Human peripheral myeloma cells

CATALOG#: 193-040 QUANTITY: 120 tests

VOLUME IN VIAL: 0.2 ml

WORKING DILUTION: 1:50 (or use 1.6µl of concentrated stock per 5 x 10⁵-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 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. H.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. Protect from light.

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

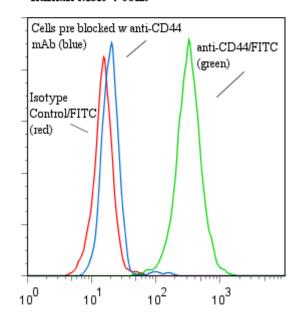
BUFFER: 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN₃ (as a preservative).

PRODUCTION: Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at **0.25 mg/ml** with a Fluorescein/Antibody molar ratio of 5.3.

PERFORMANCE: Five x 10^5 cultured human **Molt-4** cells per tube were incubated 45 minutes on ice with 80 μ l of anti-CD44/FITC at a **1:50** dilution factor (5 μ g/ml). Cells were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of **1.34** \log_{10} fluorescent units when compared to a Mouse IgG1/FITC negative control (Catalog # 278-040) at a similar concentration. Binding was blocked when cells were pre incubated 10 minutes with 20 μ l of 0.5 mg/ml anti-CD44 antibody (Catalog #193-020).

*This Product is intended for Laboratory Research use only.

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



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