

MONOCLONAL ANTIBODY CD44

Cat. No.	Form	Quantity	Presentation
0845	Purified	0.2 mg	Freeze-dried
1219	FITC	100 tests	Liquid 2 ml

Clone	J-173
Isotype	IgG1 (mouse)
Immunogen	LAZ 221 ALL
Hybridoma	NS1 x Balb/c
Specificity	<p>The molecular weight of the recognized antigen is 80 - 95 kDa.</p> <p>The antibody recognizes a transmembrane molecule with extensive glycosylations (O-linked and N-linked).</p> <p>Leucocytes and erythrocytes are positive.</p> <p>The antibody can immunoprecipitate 3H-Hyaluronate binding activity. This antibody does not inhibit the binding of hyaluronate to the receptor.</p>
Applications	The antibody can be used for the study of leucocyte homing to the high endothelial venules of lymph nodes.
Buffer	<p>Freeze-dried forms: 1 mg/ml bovine serum albumin in phosphate buffered saline.</p> <p>Liquid forms: 2 mg/ml bovine serum albumin in phosphate buffered saline containing 0.1% sodium azide.</p>
Reconstitution and Storage	<p>The freeze-dried form may be stored at 2-8°C until the expiration date. Reconstitute with 1 ml of distilled water. No preservative has been added. The reconstituted form may be stored at -20°C until the expiration date. Aliquotting is suggested to avoid multiple freeze-thaw cycles. The addition of sodium azide at 0.1% (w/v) is recommended for storage of the reconstituted form for up to one month at 2-8°C.</p> <p>The conjugated forms should not be frozen and should be stored in the dark at 2 - 8°C.</p>
Recommended Procedures	<p><u>Fluorescent microscopy or flow cytometry:</u></p> <p>Freeze-dried: 2 µg/5x10⁵ cells/test.</p> <p>Liquid form: 20 µl/5x10⁵ cells/test.</p>

October 11, 1994

References

- 1) Pesando, JM, Hoffman, P., and Abed, M. "Antibody-induced antigenic modulation is antigen dependent: Characterization of 22 proteins on a malignant human B cell line". 1986, J. Immunol., **137**, 3689-3695.
- 2) Stamenkovic, I., Amiot, M., Pesando, J.M., and Seed, B. "A lymphocyte molecule implicated in lymph node homing is a member of the cartilage link protein family ".1989, Cell, **56**, 1057-1062.
- 3) Culty, M., Miyake, K., Kincade, P.W., Silorski, E., Butcher, E.C., and Underhill, C. "The hyaluronate receptor is a member of the CD44 (H-CAM) family of cell surface glycoproteins". 1990, J. Cell. Biol., **3**, 2765-2774.
- 4) This antibody was assigned to the CD44 cluster at the Human Leucocyte Workshop in Oxford, 1986.