



## MOUSE ANTI-HUMAN CD44 MONOCLONAL ANTIBODY

<b>CATALOG NUMBER:</b>	CBL154	<b>QUANTITY:</b>	100 µg
<b>LOT NUMBER:</b>		<b>CONCENTRATION:</b>	0.1 mg/mL
<b>ALTERNATE NAMES:</b>	HCAM		
<b>CLONE NAME:</b>	F10-44-2	<b>HOST/ISOTYPE:</b>	Ms IgG2a
<b>SPECIFICITY:</b>	The CD44 antigen is a transmembranous glycoprotein of 80 kDa, which has undergone both extensive O-linked and N-linked glycosylation. This antibody is specific for epitope 1. The CD44 antigen is present on T lymphocytes, granulocytes, red blood cells, brain and epithelial cells. There is weak expression on platelets. FUSION PARTNER: NS1 myeloma cell line		
<b>APPLICATIONS:</b>	Identification of CD44 positive cells by flow cytometry and immunocytochemistry, in particular with formalin fixed paraffin wax embedded sections of lymphoid and epithelial tissues (high temperature antigen retrieval in 10mM citrate buffer, pH6.0, is recommended). Studies involving T, B cell, monocyte, granulocyte T and B cell binding to HEV during lymphocyte circulation and movement of leucocytes to inflammatory sites. Studies on HCAM (homing receptor) function. Immunoprecipitation. Optimal working dilutions must be determined by the end user.		
<b>SPECIES REACTIVITY:</b>	Reacts with Human. Reactivity with other species has not been determined.		
<b>IMMUNOGEN:</b>	Purified human T cells		
<b>CONTROL:</b>	POSITIVE CONTROL: Tonsil; stains all T-cells in the paracortex		
<b>FORMAT:</b>	Purified by Protein-A affinity chromatography.		
<b>PRESENTATION:</b>	The monoclonal is presented as a liquid in phosphate buffered saline containing 10mM sodium azide and 1mg/ml bovine serum albumin. We recommend that each laboratory determine an optimum working titre for use in its particular application.		
<b>STORAGE/HANDLING:</b>	For use within 1 month of purchase store at +4°C. For long term storage aliquot antibody into small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.		
<b>REFERENCES:</b>	Leucocyte Typing V (1995). Schlossman, S. et al., Eds. Oxford University Press, Oxford :383-385. Shi, S-R, et al. (1995). Cell Vision 2:6-22. Stauder, R & Gunthert, V. (1995). Immunologist 3:78-83. Favaloro, E. (1993). Immunol. Cell Biol. 71:571-81. Goldstein, L. A. & Butcher, E. C. (1990). Immunogenetics 32 (6):389-97. Leucocyte Typing IV (1989). Oxford University Press Leucocyte Typing III (1987). Oxford University Press McKenzie et al. (1982). J. Neuro. Chem. Related: Anstee, D. (1991). New monoclonal antibodies in CD44 and CD58: their use		



to quantify CD44 and CD58 on normal human erythrocytes and to compare the distribution of CD44 and CD58 in human tissues. Immunology 74:197-205.

**Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200  $\mu$ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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