

MOUSE ANTI-HUMAN CD31
MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL468-K	QUANTITY:	
LOT NUMBER:		CONCENTRATION:	
ALTERNATE NAMES:	PECAM-1	EPITOPE:	domains 3-6 of human PECAM-1
CLONE NAME:	HC1/6	HOST/ISOTYPE:	Ms IgG1
SPECIFICITY:	The antibody reacts with a 130-140 kDa transmembranous glycoprotein that is expressed widely amongst cells of the vascular compartment. CD31 is expressed on platelets, cultured endothelial cells, monocytes, normal tissue macrophages in tonsil, lung and kidney as well as in skin biopsies from conditions such as sarcoidosis and lepromatous leprosy. FUSION PARTNER: P3-x63Ag8.653 myeloma cell line		
APPLICATIONS:	Studies of the role of CD31 in leucocyte migration into inflammatory sites and in the process of angiogenesis This antibody will stain frozen tissue sections Suitable for immunoprecipitation studies Suitable for flow cytometry either indirectly or directly when labelled with FITC or R-PE Suitable for use on formalin fixed paraffin embedded sections after protease pre-treatment. <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Reacts with Human. Reactivity with other species has not been determined.		
IMMUNOGEN:	PMA - treated U937 cells		
FORMAT:	Protein A affinity chromatography		
PRESENTATION:	Liquid in phosphate buffered saline containing 10mM sodium azide.		
STORAGE/HANDLING:	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 for up to one year.		
REFERENCES:	Raab, U et al (1999). Expression of normal and truncated forms of human endoglin. <i>Biochem. J.</i> 339:579-588. Leucocyte Typing V (1995). Schlossman, S. et al., Eds. Oxford University Press, Oxford :383-385. DeLisser, H. M. et al. (1994). Molecular and functional aspects of PECAM-1/CD31. <i>Immunol. Today</i> 15:490-495. Stockinger, H. et al. (1990). Molecular characterization and functional analysis of the leukocyte surface protein CD31. <i>J. Immunol.</i> 145:3889-3897. Carbanas, C. et al. (1989). Characterisation of a novel myeloid antigen regulated during differentiation of monocytic cells. <i>Eur. J. Immunol.</i> 19:1373-1378.		

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 µL 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.

For research use only; not for use as a diagnostic.

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002-2003:CHEMICON® International, Inc. - By CHEMICON® International, Inc. All rights reserved. No part of these works may be reproduced in any form without permission in writing.

USA & Canada • Phone: +1(800) 437-7500 • Fax: +1 (951) 676-9209 • Europe +44 (0) 23 8026 2233
Australia +61 3 9839 2000
www.millipore.com