

MOUSE ANTI-HUMAN CD31 MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL468	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	0.1 mg/mL
ALTERNATE NAMES:	PECAM-1	EPIPODE:	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. Optimal working dilutions must be determined by the end user.		
SPECIES REACTIVITY:	Reacts with Human. Reactivity with other species has not been determined.		
IMMUNOGEN:	PMA - treated U937 cells		
FORMAT:	Protein A affinity chromatography		
PRESENTATION:	The monoclonal is presented in phosphate buffered saline containing 0.1% sodium azide. We recommend that each laboratory determine an optimum working titre for use in its particular application.		
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. Biochem. J. 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. Immunol. Today 15:490-495. Stockinger, H. et al. (1990). Molecular characterization and functional analysis of the leukocyte surface protein CD31. J. Immunol. 145:3889-3897. Carbanas, C. et al. (1989). Characterisation of a novel myeloid antigen regulated during differentiation of monocytic cells. Eur. J. Immunol. 19:1373-1378.		



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28820 Single Oak Drive • Temecula, CA 92590
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502
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