

MOUSE ANTI-HUMAN CD42B MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL480	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	0.1 mg/mL
CLONE NAME:	MM2/174	HOST/ISOTYPE:	Ms IgG1
SPECIFICITY:	The antibody is directed against the CD42b antigen, platelet glycoprotein GPIb that serves as a receptor for von Willebrand factor and as a high affinity thrombin receptor. CBL 480 immunoblots a band of 130 kDa on SDS gels of platelet lysates and gives surface immunofluorescence with fixed or unfixed platelets. The antigen is absent or present in very low levels on platelets of patients with the Bernard-Soulier syndrome. This antibody also recognizes megakaryocytes in bone marrow FUSION PARTNER: SP2/0 myeloma cell line		
APPLICATIONS:	Functional studies involving von Willebrand's factor binding to GPIb Flow cytometry Immunofluorescence studies of platelets, reacts with GPIb molecule Immunohistochemistry studies with platelets and megakaryocytes in frozen sections Formalin fixed decalcified sections of bone marrow. Megakaryocytes and platelets are labeled without pretreatment and with pretreatment using protease type XXIV (0.5mg/ml). HIER (Microwave, citrate buffer pH 6.0) may give superior results. Optimal working dilutions must be determined by the end user.		
SPECIES REACTIVITY:	Reacts with Human. Reactivity with other species has not been determined.		
IMMUNOGEN:	Human plasma membrane		
FORMAT:	Purified immunoglobulin, purified by Protein A affinity chromatography		
PRESENTATION:	The monoclonal is presented 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.		
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:	Hornby, E. J. et al. (1991). Br. J. Haem. 79:277-85. Leucocyte Typing IV (1989). Oxford University Press Thorsen, L. I. et al. (1988). Br. J. Haem. 68:67-74.		

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