



MOUSE ANTI-HUMAN CD51 MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL490	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	0.1 mg/ml
ALTERNATE NAMES:	CD51		
CLONE NAME:	13C2	HOST/ISOTYPE:	Ms IgG1
SPECIFICITY:	This antibody recognizes a 110/90 kDa antigen known as the alpha-chain of the vitronectin receptor (VNR). This forms a complex with the CD61 antigen and mediates cell adhesion to RGD (arg-gly-asp) containing sequences in vitronectin, von Willebrand factor, fibrinogen and thrombospondin. This antibody reacts with osteoclasts, placenta and melanoma cell lines, some endothelial cells, smooth muscle cells and fibroblasts, and weakly with platelets.		
APPLICATIONS:	Bone resorption modulation Osteoclast identification Purification of the vitronectin receptor Malignant melanoma identification (and possible treatment) The antibody is only reactive on frozen sections 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 osteoclastoma tissue		
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:	Strobel, I. et al. (2000). Human dendritic cells transfected with either RNA or DNA encoding influenza matrix protein M1 differ in their ability to stimulate cytotoxic T lymphocytes. <i>Gene Therapy</i> 7:2028-2035. (1989). <i>J. Cell Biol.</i> 109:1817. Leucocyte Typing IV (1989). Oxford University Press Davies, J et al. (1989). The osteoclast functional antigen, implicated in the regulation of bone resorption, is biochemically related to the vitronectin receptor. <i>J Cell Biol</i> 109:1817-1826. (1985). <i>Cancer Research</i> 45:5663-69.		



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 μ 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.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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