

RAT ANTI-MOUSE CD11b (MAC 1) MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL1313	QUANTITY:	500 µg
LOT NUMBER:		CONCENTRATION:	0.5 mg/mL
ALTERNATE NAMES:	Integrin alphaM; Mac-1; Complement Receptor Type 3 alpha Subunit; C3bi receptor		
CLONE NAME:	M1/70.15.1	HOST/ISOTYPE:	Rt IgG2b
SPECIFICITY:	The antibody recognizes a differentiation antigen situated on mononuclear phagocytes and granulocytes. The expression of this antigen (Mac 1) increases during monocyte maturation. FUSION PARTNER: NS1/1.Ag4.1 mouse myeloma cell line		
APPLICATIONS:	Flow Cytometry 1:50-1:100 Immunohistology on fresh frozen or acetone fixed tissues. Immunohistochemistry on paraffin embedded tissues fixed in PLP, methyl-carnoy, or 2% PFA; traditional 10% formalin fixation is problematic. Immunoprecipitation: use a rabbit anti-rat secondary for capture. Functional/blocking of C3bi binding to its receptor. Optimal working dilutions must be determined by end user.		
SPECIES REACTIVITY:	Reacts with Mouse. Reactivity with other species has not been determined.		
IMMUNOGEN:	B10 mouse spleen cells enriched with T cells		
FORMAT:	Protein G affinity chromatography		
PRESENTATION:	The monoclonal is presented in phosphate buffered saline containing 10mM 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:	Sousa, M. M. et al. (2001). Familial amyloid polyneuropathy: receptor for advanced glycation end products-dependent triggering of neuronal inflammatory and apoptotic pathways. <i>Yonago Acta Medica</i> 21(19):7576-7586.		

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