

MOUSE ANTI-RAT INTEGRIN alphaM [CD11b] MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL1512Z	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
CLONE NAME:	OX-42	HOST/ISOTYPE:	Ms IgG _{2a}
ALTERNATE NAMES:	OX-42; CD11b		
SPECIFICITY:	<p>This antibody recognizes most macrophages (including resident peritoneal and activated macrophages), Kupffer cells, but only about 35% of alveolar macrophages. The antibody also labels dendritic cells extensively, granulocytes and cells with the morphology of microglia in brain. The antibody precipitates three polypeptides of 150, 103 and 95 KDa. The antibody inhibits complement mediated rosettes and is probably the rat equivalent of the human receptor for IC3b called CR3.</p>		
APPLICATIONS:	<p><u>Flow cytometry</u> <u>Immunohistochemistry</u>: Rat fresh-frozen tissue sections and paraffin embedded tissue sections following either periodate-lysine-paraformaldehyde fixation, or acetone. Works on very lightly PFA fixed, frozen tissues. (perfusion only 4% PFA 10-15' no post-fix). <u>Immunoprecipitation</u>: Use rabbit anti-mouse or anti-mouse IgG bead for capture only. Straight protein A or protein G is not recommended. <i>Optimal working dilutions must be determined by the end user.</i></p>		
SPECIES REACTIVITY:	Reacts with Rat. Reactivity with other species has not been determined.		
IMMUNOGEN:	Rat peritoneal macrophages		
PRESENTATION:	Purified immunoglobulin by Protein G affinity chromatography. Liquid in phosphate buffered saline with no preservatives.		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots upon date of receipt for up to 12 months. Avoid repeated freeze/thaw cycles.		
REFERENCES:	<p>Zassler, B. et al. (2003). Protein Kinase C and Phosphoinositol-3-Kinase Mediate Differentiation or Proliferation of Slice-Derived Rat Microglia. <i>Pharmacol.</i> 67:211-215.</p> <p>Whiteland, JL, et al. (1995). Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. <i>J. Histochem. Cytochem.</i> Vol 43:313-320.</p> <p>Milligan, C. E. et al. (1991). Differential immunochemical markers reveal the normal distribution of brain macrophages and microglia in the developing rat brain. <i>J. Comp. Neurol.</i> 314:125-135.</p> <p>Robinson, A. P. et al. (1986). Macrophage heterogeneity in the rat as delineated by two monoclonal antibodies MRC OX-41 and MRC OX-42, the latter recognizing complement receptor type 3. <i>Immunology</i> 57:239-247.</p> <p>Barclay, A. N. et al. (1981). The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues. <i>Immunology</i> 42:593-600.</p>		



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

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.