

Monoclonal Antibody to CD11b - FITC

Alternate names:	CD11 antigen-like family member B, CR-3 alpha chain, CR3A, Cell surface glycoprotein MAC-1 subunit alpha, ITGAM, Integrin alpha-M, Leukocyte adhesion receptor MO1, MAC1, Neutrophil adherence receptor
Catalog No.:	SM262FS
Quantity:	50 µg
Concentration:	0.1 mg/ml
Background:	The antigen is expressed on most macrophages, including resident and activated peritoneal macrophages and Kupffer cells and around 35% of alveolar macrophages.
Uniprot ID:	Q63001
NCBI:	10116
Host / Isotype:	Mouse / IgG2a
Clone:	OX-42
Immunogen:	Rat resident peritoneal macrophages. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NSO/U myeloma cell line.
Format:	State: Liquid purified IgG fraction Containing 0.09% Sodium Azide and 1% BSA. Purification: Affinity Chromatography on Protein G. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Flow Cytometry: Use 10 µl of Neat-1/10 diluted antibody to label 10e6 cells in 100 µl. Clone OX-42 has been reported as being suitable for use on paraffin-embedded material following PLP fixation (periodate-lysine-paraformaldehyde). Functionally, clone OX-42 inhibits complement mediated rosettes. We recommend the use of SM262LE for use in functional studies. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the equivalent of human CD11b, the receptor for the iC3b component of complement. The antibody also labels dendritic cells, granulocytes and microglial cells in the brain. Species: Rat. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. 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 recognising complement

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receptor type 3. Immunology. 57(2): 239-247.

2. Barclay, A.N. (1981) The localization of population of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues. Immunology. 42: 593-600.

3. Milligan, C.E. et al. (1991) Differential immunochemical markers reveal the normal distribution of brain macrophages and microglia in the developing rat brain. J. Comp. Neurol. 314: 125-135.

4. Whiteland, J.L. et al. (1995) Immunohistochemical detection of T cell Subsets and other leucocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies. J. Histochem. Cytochem. 43: 313-320.

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