

CD11b-FITC Antibody

Mouse monoclonal antibody to CD11b-FITC

Catalog Number **SM262F**

- Specificity:** SM262P recognizes most macrophages (including resident peritoneal and activated macrophages), Kupffer cells, but only about 35% alveolar macrophages (1). The MRC OX-42 antibody also labels dendritic cells extensively, granulocytes and cells with the morphology of microglia in brain. MRC OX-42 antibody precipitates three polypeptides of M.W. 160 kD, 103 kD and 95 kD. The antibody inhibits complement mediated rosettes and is probably the rat equivalent of the human receptor for iC3b called CR3 (1).
- Immunogen:** Rat peritoneal macrophages
- Host:** Mouse
- Clone Name:** MRC OX-42
- Isotype:** IgG2a
- Uses and Dilutions:** Flow cytometry: use 10ul of neat to label 10⁶ cells. Immunohistochemistry on frozen and paraffin sections. This clone has been described reacting with paraffin-embedded material following PLP fixation (periodate-lysine-paraformaldehyde) - refer to ref. Whiteland et al. Other applications not tested. Optimal dilutions should be determined by the user.
- Form:** 100 Tests / 0.1 mg/ml, This antibody is supplied as liquid and purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant containing 0.1% sodium azide as stabiliser and 1% BSA as stabilizer. This antibody is conjugated t
- Storage:** Store the antibody at 4-8 degrees C or at -20 degrees C for longer. This product is photosensitive and should be protected from light. Shelf life is 12 months from date of despatch. Avoid repeated freezing and thawing
- Limitations:** This product is for research use only and is not approved for use in humans or in clinical diagnosis.
- General References:**
1. Robinson, A.P., White, T.M. & Mason, D.W. (1986). *Immunology* 57: 239-247.
 2. Barclay, A.N. (1981). *Immunology*, 42: 593-600.
 3. Whiteland, J.L., Nicholls, S.M., Shimeld, C., Easty, D.L., Williams, N.A. and Hill, T.J. (1995). Immunohistochemical Detection of T-Cell Subsets and other Leucocytes in Rat and Mouse Tissues with Monoclonal Antibodies. *J. Histochem. Cytochem.* 43 : 313-320.