

anti-rat CD11b/c**Cat-No.: R32131****0.1 mg****Clone:** MRC OX-42**Specificity:**

This anti-rat CD11b/c monoclonal antibody recognizes most macrophages including resident peritoneal macrophages, kupffer cells, but only approximately 35% of alveolar macrophages. It also labels dendritic cells extensively, granulocytes and cells with morphology of microglia in the brain. It precipitates three polypeptides of MW 160, 103 and 95kDa. This antibody inhibits complement mediated rosettes and is probably the rat equivalent of the human receptor for iC3b called CR3. It should prove useful in the recognition of macrophages and microglia. This antibody has been tested in flow cytometry with mouse, and it has been shown not to react with mouse peritoneal macrophages in this application.

This clone is reported to work with frozen and paraffin sections.

Isotype subclass: Mouse IgG 2a**Form:** Purified**Physical state:** Liquid**Buffer/Additives/Preservative:** PBS containing 0.09 % sodium azide (pH 7.4).**Expiration date:** The reagent is stable until the expiry date stated on the vial label.**Storage conditions:**

For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

Application:

Flow Cytometry

Immunohistochemistry (paraffin and frozen sections)

References:

1. Aihara, N. et al. (1995) J Neurotrauma. 12, 53-63
2. Robinson, A.P. et al (1986) Immunology. 57, 239-247
3. Whiteland J.L. et al. (1995) J. Histochem and Cytochem. 43, 313-320

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.

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