



www.AntibodyResearch.com

## Antibody Research Corporation

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### Product Data Sheet

**Product Name:** Anti-Mouse CD11b -FITC

**Catalogue No.:** 181808

**Alternate Names:** Integrin alpha M, CR3A, MO1A, CD11B, MAC-1, MAC1A, ITGAM

**Description:** Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Integrin alpha-m/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. CD-11b is identical with CR-3, the receptor for the IC3b fragment of the third complement component. CD-11b probably recognizes the R-G-D peptide in C3B. Integrin alpha-m beta-2 is also a receptor for fibrinogen, Factor-X and ICAM1.

**Specificity:** Mouse

**Source:** Rat

**Type:** Monoclonal

**Concentration:** 1mg/ml

**Purity:** >95%, verified by SDS PAGE

**Storage:** Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Stable for two years lyophilized, one month in solution at 4°C.

**Shipping:** Products may be shipped on ice pack or dry ice.

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