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Product Data Sheet

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Cat # AB-13610

Rat Anti-Mouse CD11b-FITC IgG

Size: 100ug

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**Synonyms:**

Integrin, alpha M, CR3A, MO1A, CD11B, MAC-1, MAC1A, MGC117044, ITGAM

**Type:**

Rat Anti Mouse Monoclonal

**Introduction:**

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. it recognizes p1 and p2 peptides of fibrinogen gamma chain. Staining and blocking antibody. For staining, use 10 µl/10<sup>6</sup> cells. This antibody will block signaling through the CD11a molecule. Titer for blocking should be determined by the investigator.

**Immunogen:**

Purified mouse LN CD4+ T cells

**Ig Subclass:**

Rat IgG2b; purified by ion exchange column; 1mg/mL in PBS after reconstitution; Reconstitute with of H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

**Storage Procedures:**

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

**Available Conjugates:**

This antibody is only available conjugated to FITC

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..

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