

CD11b FITC Antibody

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.

Clone:

mCD11b.

Immunogen:

Purified mouse LN CD4+ T cells.

Ig Subclass:

Rat IgG2b.

Purification Method:

Ion exchange column.

Protein concentration:

1mg/ml in PBS (after reconstitution).

Storage Procedures:

Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

Reconstitution:

Reconstitute with of H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

Stability / Shelf Life:

Two years lyophilized, one month in solution at 4°C.

Antibody Properties:

Staining and blocking antibody. For staining, use 10 µl/10⁶ cells. This antibody will block signaling through the CD11a molecule. Titer for blocking should be determined by the investigator.

Available Conjugates:

This antibody is only available conjugated to FITC.

Usage:

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