

For Research Use Only

# FITC Plus Anti-Mouse CD11b (M1/70)

Catalog Number: FITC-65055

13 Publications



## Basic Information

Catalog Number:

FITC-65055

Size:

100ug, 0.5 mg/ml

Source:

Rat

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC156991

GeneID (NCBI):

16409

UNIPROT ID:

E9Q604

Full Name:

integrin alpha M

Calculated MW:

127 kDa

Purification Method:

Affinity purification

CloneNo.:

M1/70

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Cited Applications:

IF, FC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

FC : mouse bone marrow cells, human PBMCs

## Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated  $\alpha$  and  $\beta$  subunits (PMID: 9779984). CD11b, also known as Integrin alpha M or CR3A, belongs to the integrin alpha chain family. CD11b forms an  $\alpha/\beta$  heterodimer with CD18 (integrin  $\beta$ 2). CD11b/CD18 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles and pathogens (PMID: 9558116; 20008295). CD11b/CD18 is a receptor for the complement protein fragment iC3b, and is also a receptor for fibrinogen, factor X and ICAM1 (PMID: 2971974; 15485828).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiaotai Shi	36364344	Molecules	IF
Na Qu	35738090	Int Immunopharmacol	IF,FC
Hanyue Chang	34290225	Cell Death Dis	FC

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

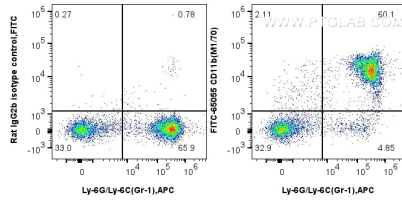
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug FITC Plus Anti-Mouse CD11b (M1/70) (FITC-65055, Clone:M1/70), and 0.25 ug APC Anti-Mouse Ly-6G/Ly-6C (Gr-1) (RB6-8C5) (APC-65140, Clone: RB6-8C5), and 0.25 ug FITC Plus Rat IgG2b Isotype Control (LTF-2) (FITC-65211, Clone: LTF-2). Cells were not fixed.