

For Research Use Only

# PerCP-Cyanine5.5 Anti-Mouse CD11b (M1/70)

Catalog Number:CPY5-65055



## Basic Information

Catalog Number:

CPY5-65055

Size:

100ug, 100 µg/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

Excitation/Emission maxima wavelengths:

482 nm / 690 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## 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).

## 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 and 0.5% BSA.

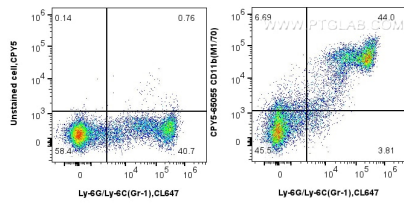
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## Selected Validation Data



1x10<sup>6</sup> mouse bone marrow cells were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD11b (M1/70) (CPY5-65055, Clone:M1/70) or unstained. Cells were then stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse Ly-6G/Ly-6C (Gr-1) (RB6-8C5) (CL647-65140, Clone: RB6-8C5). Cells were not fixed.