

For Research Use Only

# PE-Cyanine7-conjugated CD11b Monoclonal antibody

Catalog Number: PE-Cyanine7-65055



## Basic Information

Catalog Number:  
PE-Cyanine7-65055

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:  
450-500 nm / 778 nm

## Applications

Tested Applications:  
FC

Species Specificity:  
Mouse, Human

## 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.

For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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