

For Research Use Only



# CoraLite® Plus 405 Anti-Rat CD11b (OX42) Mouse IgG2a Recombinant Antibody

Catalog Number: **CL405-65606**

## Basic Information

Catalog Number: CL405-65606	GenBank Accession Number: NM_012711	Purification Method: Protein A purification
Size: 100ug , 500 µg/ml	GeneID (NCBI): 25021	CloneNo.: OX42
Source: Mouse	Full Name: integrin alpha M	Excitation/Emission maxima wavelengths: 399 nm / 422 nm
Isotype: IgG2a	Calculated MW: 127 kDa	

## Applications

Tested Applications:  
FC  
Species Specificity:  
rat

## 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).

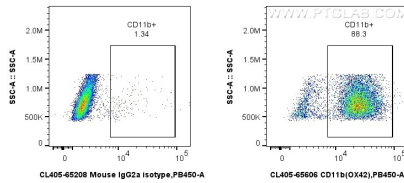
## Storage

Storage:  
Store at 2-8°C. Avoid exposure to light.  
Storage Buffer:  
PBS with 0.09% sodium azide.

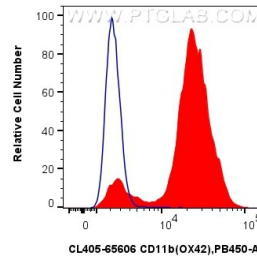
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1x10<sup>6</sup> rat bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Rat CD11b (OX42) Mouse IgG2a Recombinant Antibody (CL405-65606, Clone: OX42), or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4). Cells were not fixed.



1x10<sup>6</sup> rat bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 405 Anti-Rat CD11b (OX42) Mouse IgG2a Recombinant Antibody (CL405-65606, Clone: OX42) (red), or CoraLite® Plus 405 Mouse IgG2a Isotype Control (C1.18.4) (CL405-65208, Clone: C1.18.4) (blue). Cells were not fixed.