

For Research Use Only

# CoraLite® Plus 488 Anti-Rat CD11b (OX42)



Catalog Number: **CL488-65229**

## Basic Information

Catalog Number:

CL488-65229

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

NM\_012711

GeneID (NCBI):

25021

UNIPROT ID:

Q9JI30

Full Name:

integrin alpha M

Calculated MW:

127 kDa

Purification Method:

Affinity purification

CloneNo.:

OX42

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

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

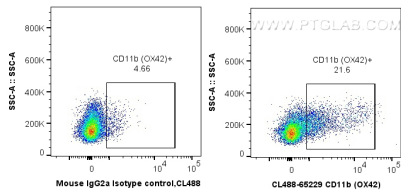
T: 4006900926

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

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

**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 splenocytes were surface stained with 0.5 ug CoraLite® Plus 488 Anti-Rat CD11b (CL488-65229, Clone:OX42) or 0.5 ug Isotype Control. Cells were not fixed.