

For Research Use Only

# CoraLite® Plus 405 Anti-Rat CD11b (OX42)



Catalog Number: **CL405-65229**

## Basic Information

Catalog Number:

CL405-65229

Size:

100ug , 500 µg/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:

399 nm / 422 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.

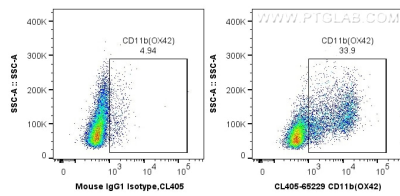
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> Wistar rat splenocytes were surface stained with 0.5 ug CoraLite® Plus 405 Anti-Rat CD11b (CL405-65229, Clone: OX42) or 0.5 ug Control Antibody. Cells were not fixed.