

For Research Use Only

# FITC Plus Anti-Rat CD11b (OX42)

Catalog Number: FITC-65229

3 Publications



## Basic Information

Catalog Number:

FITC-65229

Size:

100ug, 500 µg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

NM\_012711

GeneID (NCBI):

25021

UNIPROT ID:

Q9J130

Full Name:

integrin alpha M

Calculated MW:

127 kDa

Purification Method:

Affinity purification

CloneNo.:

OX42

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

rat

Cited Species:

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chongchong Liu	39144974	Heliyon	FC
Pengcheng Tu	38439927	Biomater Res	FC
Fan Wang	36799164	Mol Med Rep	FC

## 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.

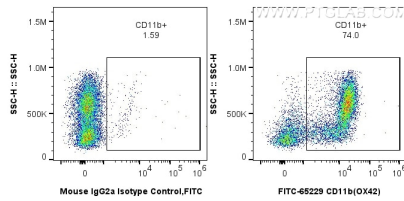
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## Selected Validation Data



1x10<sup>6</sup> rat bone marrow cells were surface stained with 0.25 ug FITC Plus Anti-Rat CD11b (OX42) (FITC-65229, Clone: OX42) or 0.25 ug FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4). Cells were not fixed.