

For Research Use Only

# CoraLite®594 Anti-Rat CD11b (OX42)



Catalog Number: **CL594-65229**

## Basic Information

Catalog Number: CL594-65229	GenBank Accession Number: NM_012711	Purification Method: N/A
Size: 100ug , 500 µg/ml	GeneID (NCBI): 25021	CloneNo.: OX42
Source: Mouse	UNIPROT ID: Q9JI30	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG2a, kappa	Full Name: integrin alpha M	
	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

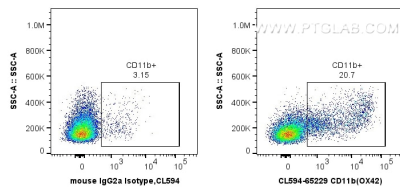
Storage:  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

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> rat splenocytes were surface stained with 0.2 ug CoraLite®594 Anti-Rat CD11b (CL594-65229, Clone:OX42), or 0.2 ug Isotype Control. Cells were not fixed.