

For Research Use Only

APC Anti-Rat CD11b (OX42)

Catalog Number: APC-65229



Basic Information

Catalog Number: APC-65229	GenBank Accession Number: NM_012711	Purification Method: N/A
Size: 100ug, 200 µg/ml	GeneID (NCBI): 25021	CloneNo.: OX42
Source: Mouse	UNIPROT ID: Q9JI30	Excitation/Emission maxima wavelengths: 650 nm / 660 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 α and β subunits (PMID: 9779984). CD11b, also known as Integrin alpha M or CR3A, belongs to the integrin alpha chain family. CD11b forms an α / β heterodimer with CD18 (integrin β 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 0.1% sodium azide and 0.5% BSA.

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

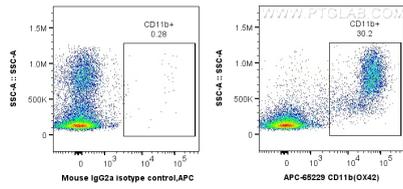
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Selected Validation Data



1X10⁶ rat bone marrow cells were surface stained with 0.1 ug APC Anti-Rat CD11b (APC-65229, Clone: OX42) or 0.1 ug APC Mouse IgG2a Isotype Control (C1.18.4) (APC-65208, Clone: C1.18.4). Cells were not fixed.