

For Research Use Only

CD11b Polyclonal antibody

Catalog Number: 31745-1-AP



Basic Information

Catalog Number: 31745-1-AP	GenBank Accession Number: BC156991	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 16409	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: E9Q604	
Isotype: IgG	Full Name: integrin alpha M	
Immunogen Catalog Number: AG36145	Calculated MW: 127 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : J774A.1 cells, RAW 264.7 cells
Species Specificity: mouse	IF/ICC : RAW 264.7 cells,

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

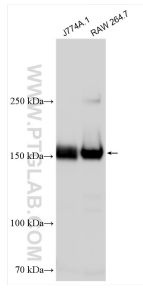
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

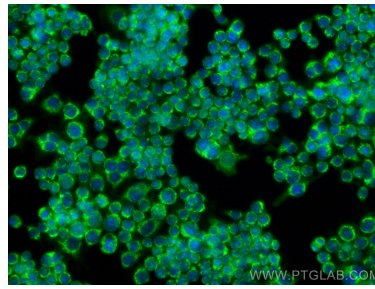
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31745-1-AP (CD11b antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using CD11b antibody (31745-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).