

For Research Use Only

# CD11B/Integrin Alpha M Monoclonal antibody, PBS Only

Catalog Number: 66519-1-PBS



## Basic Information

<b>Catalog Number:</b> 66519-1-PBS	<b>GenBank Accession Number:</b> NM_000632	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3684	<b>CloneNo.:</b> 1C7C2
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000169896	
<b>Isotype:</b> IgG2b	<b>UNIPROT ID:</b> P11215	
	<b>Full Name:</b> integrin, alpha M (complement component 3 receptor 3 subunit)	
	<b>Calculated MW:</b> 93 kDa	
	<b>Observed MW:</b> 160 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, ELISA

**Species Specificity:**  
human

## 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 -80°C.

**Storage Buffer:**  
PBS Only

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)

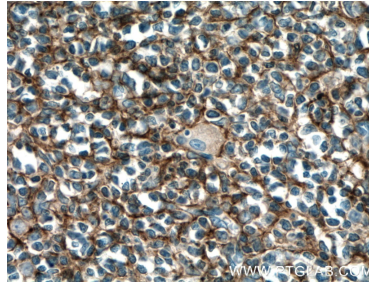
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

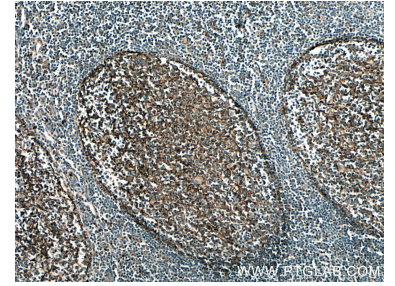
## Selected Validation Data



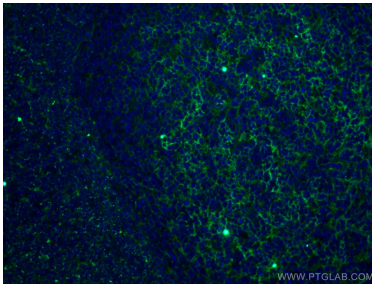
TF-1 cells were subjected to SDS PAGE followed by western blot with 66519-1-Ig (CD11B/Integrin alpha M antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66519-1-PBS in a different storage buffer formulation.



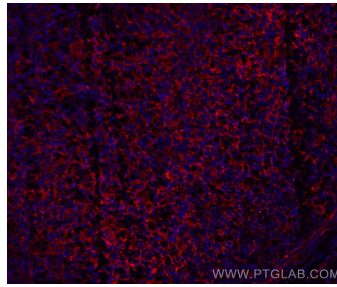
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66519-1-Ig (CD11B/Integrin alpha M antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66519-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66519-1-Ig (CD11B/Integrin alpha M antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66519-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66519-1-Ig (CD11B/Integrin alpha M antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66519-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CD11B/Integrin Alpha M antibody (66519-1-Ig, Clone: 1C7C2 ) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-3). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66519-1-PBS in a different storage buffer formulation.