

For Research Use Only

CD11B/Integrin Alpha M Monoclonal antibody, PBS Only

Catalog Number: 66519-1-PBS



Basic Information

Catalog Number:

66519-1-PBS

Size:

1000 μ g/ml

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

NM_000632

GeneID (NCBI):

3684

ENSEMBL Gene ID:

ENSG00000169896

UNIPROT ID:

P11215

Full Name:

integrin, alpha M (complement component 3 receptor 3 subunit)

Calculated MW:

93 kDa

Observed MW:

160 kDa

Purification Method:

Protein A purification

CloneNo.:

1C7C2

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 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

T: 4006900926

E: Proteintech-CN@ptglab.com

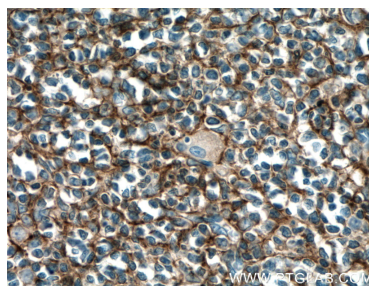
W: ptgcn.com

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

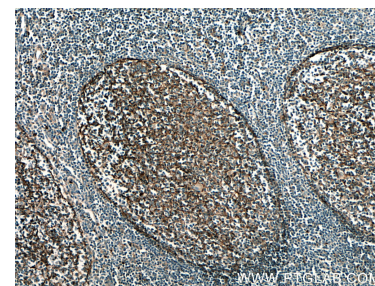
Selected Validation Data



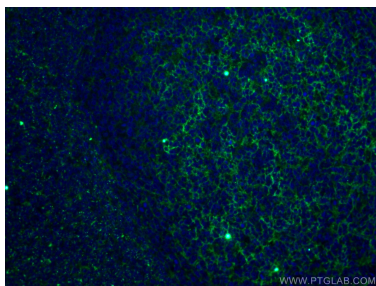
TF-1 cells were subjected to SDS PAGE followed by western blot with 66519-1-Ig (CD11B/Integrin alpha M antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66519-1-PBS in a different storage buffer formulation.



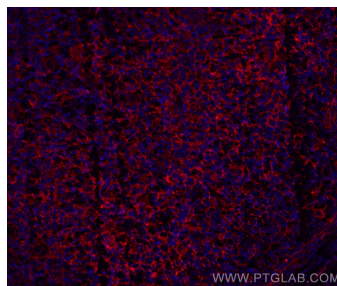
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66519-1-Ig (CD11B/Integrin alpha M antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66519-1-PBS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