

For Research Use Only

CD11B/Integrin Alpha M Polyclonal antibody

Catalog Number: 21851-1-AP

Featured Product

37 Publications



Basic Information

Catalog Number:

21851-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16327

GenBank Accession Number:

BC096346

GeneID (NCBI):

3684

ENSEMBL Gene ID:

ENSG00000169896

UNIPROT ID:

P11215

Full Name:

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

Calculated MW:

1152 aa, 127 kDa

Observed MW:

170 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:500-1:2000

IF/ICC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, pig, sheep

Positive Controls:

WB: TF-1 cells,

IHC: human tonsillitis tissue, Insulinoma tissue

IF/ICC: THP-1 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Tingting Qin	36225585	Front Pharmacol	IHC
Xiaodong Geng	36353618	Front Immunol	WB
Krishnendu Khan	33086476	Int J Mol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

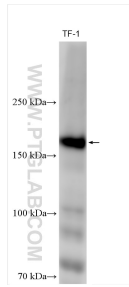
For technical support and original validation data for this product please contact:

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

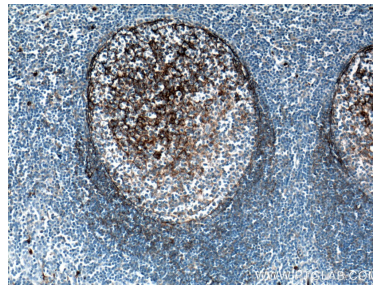
E: proteintech@ptglab.com
W: ptglab.com

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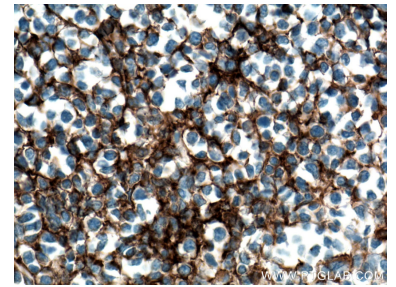
Selected Validation Data



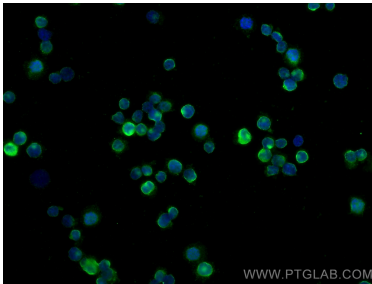
TF-1 cells were subjected to SDS PAGE followed by western blot with 21851-1-AP (CD11B/Integrin Alpha M antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 21851-1-AP (CD11B/Integrin alpha M antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 21851-1-AP (CD11B/Integrin alpha M antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD11B/Integrin Alpha M antibody (21851-1-AP) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).