

For Research Use Only

CD11c/Integrin Alpha X Monoclonal antibody



Catalog Number: 60258-1-Ig **16 Publications**

Basic Information

Catalog Number: 60258-1-Ig	GenBank Accession Number: BC038237	Purification Method: Protein A purification
Size: 3200 µg/ml	GeneID (NCBI): 3687	CloneNo.: 2F1C10
Source: Mouse	ENSEMBL Gene ID: ENSG00000140678	Recommended Dilutions: WB 1:500-1:2000 IHC 1:10000-1:40000 IF 1:500-1:2000
Isotype: IgG2a	UNIPROT ID: P20702	
Immunogen Catalog Number: AG11350	Full Name: integrin, alpha X (complement component 3 receptor 4 subunit)	
	Calculated MW: 1169 aa, 129 kDa	
	Observed MW: 145 kDa	

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human, pig

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

Positive Controls:

WB : human spleen tissue, THP-1 cells, HL-60 cells, U-937 cells

IHC : human tonsillitis tissue, human lung cancer tissue, human breast cancer tissue, human liver cancer tissue, human appendicitis tissue

IF : human tonsillitis tissue, human appendicitis tissue

Background Information

Integrins are cell adhesion receptors that are heterodimers composed of non-covalently associated α and β subunits. CD11c/Integrin alpha X is a 145-150 kDa type I transmembrane glycoprotein present on a variety of cells, including monocytes/macrophages, granulocytes, NK cells and dendritic cells. Integrin alpha X/beta 2 acts a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis.

Notable Publications

Author	Pubmed ID	Journal	Application
Nobutaka Hoshino	36273873	J Vet Med Sci	IF
Rodrigo Nalio Ramos	35325594	Cell	IF
Yunge Gao	33771482	Exp Cell Res	IF, IHC

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

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

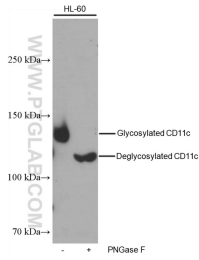
T: 4006900926

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.

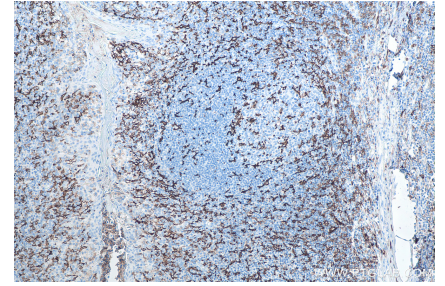
Selected Validation Data



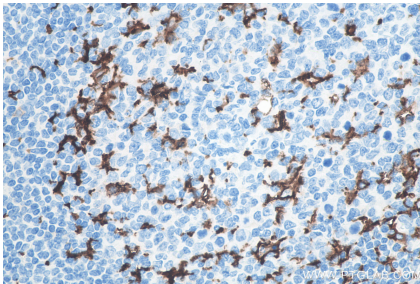
Untreated and PNGase F-treated lysates of HL-60 cells were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



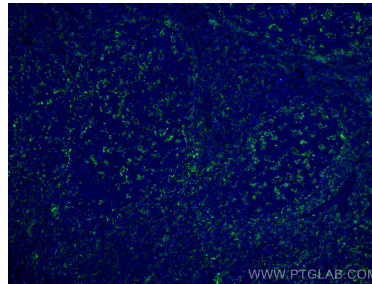
human spleen tissue were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



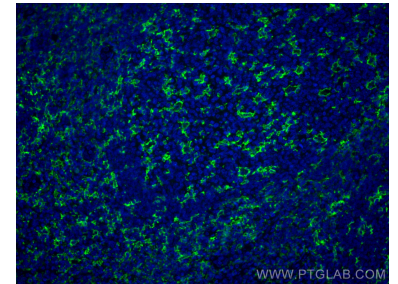
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60258-1-Ig (CD11c/Integrin Alpha X antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60258-1-Ig (CD11c/Integrin Alpha X antibody) at dilution of 1:20000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD11c/Integrin Alpha X antibody (60258-1-Ig, Clone: 2F1C10) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD11c/Integrin Alpha X antibody (60258-1-Ig, Clone: 2F1C10) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).