

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	Positive Controls:
Cited Applications: WB, IF, IHC	WB : human spleen tissue, THP-1 cells, HL-60 cells, U-937 cells
Species Specificity: human	IHC : human tonsillitis tissue, human lung cancer tissue, human breast cancer tissue, human liver cancer tissue, human appendicitis tissue
Cited Species: human, pig	IF : human tonsillitis tissue, human appendicitis tissue
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. 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.

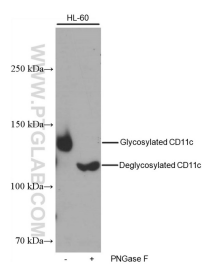
Notable Publications

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

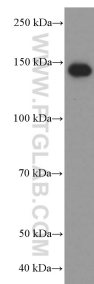
Storage

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

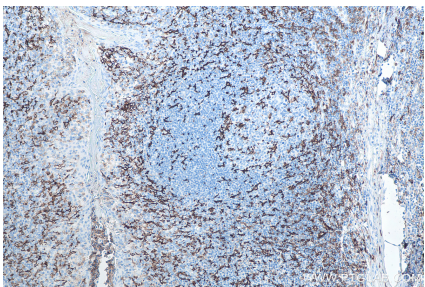
Selected Validation Data



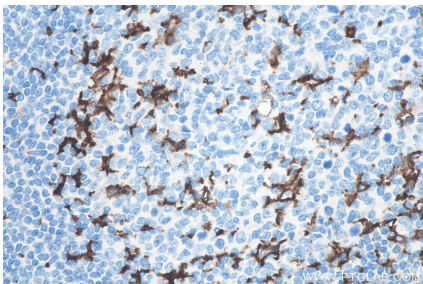
Untreated and PNGase F-treated lysates of HL-60 cells were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



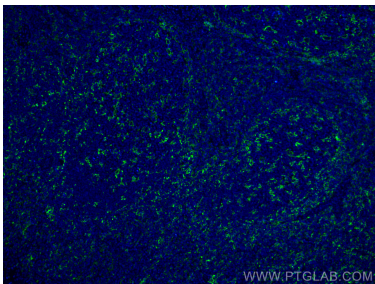
human spleen tissue were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



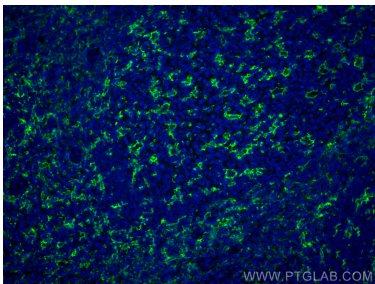
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60258-1-Ig (CD11c/Integrin Alpha X antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).