

CD11c/Integrin Alpha X Monoclonal antibody

Catalog Number: 60258-1-Ig

27 Publications

Basic Information

Catalog Number:

60258-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG11350

GenBank Accession Number:

BC038237

GeneID (NCBI):

3687

ENSEMBL Gene ID:

ENSG00000140678

UNIPROT ID:

P20702

Full Name:

integrin, alpha X (complement component 3 receptor 4 subunit)

Calculated MW:

1169 aa, 129 kDa

Observed MW:

145 kDa

Purification Method:

Protein A purification

CloneNo.:

2F1C10

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:10000-1:40000

IF-P 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

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-P : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

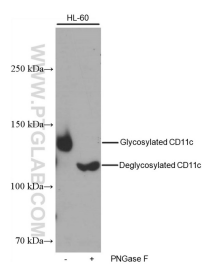
For technical support and original validation data for this product please contact:

T: 4006900926

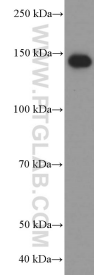
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

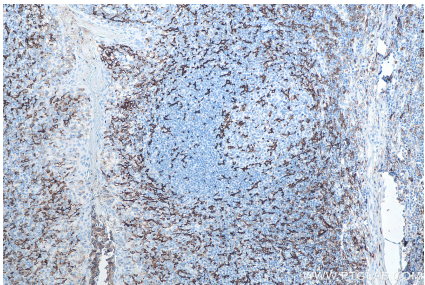
Selected Validation Data



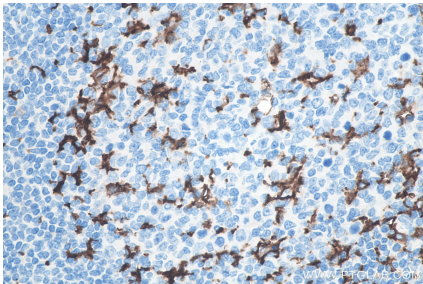
Untreated and PNGase F-treated lysates of HL-60 cells were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



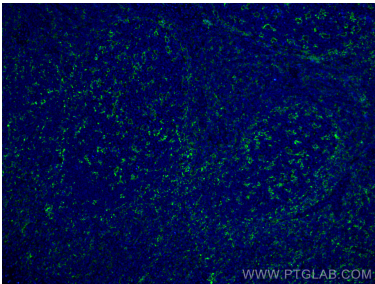
human spleen tissue were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



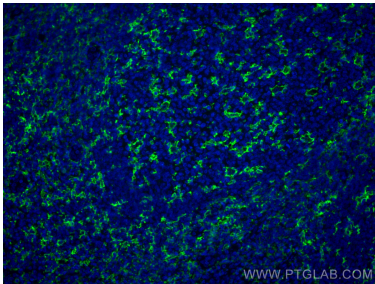
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60258-1-Ig (CD11c/Integrin Alpha X antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).