

For Research Use Only

CD11c/Integrin Alpha X Monoclonal antibody



Catalog Number: 60258-1-Ig **5 Publications**

Basic Information

Catalog Number: 60258-1-Ig	GenBank Accession Number: BC038237	Purification Method: Protein A purification
Size: 150UL, Concentration: 2000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3687	CloneNo.: 2F1C10
Source: Mouse	Full Name: integrin, alpha X (complement component 3 receptor 4 subunit)	Recommended Dilutions: WB 1:500-1:2000 IHC 1:800-1:3200
Isotype: IgG2a	Calculated MW: 1169 aa, 129 kDa	
Immunogen Catalog Number: AG11350	Observed MW: 145 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human

Cited Species:

human, swine

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 appendicitis tissue, human liver cancer 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
Florence Anquetil	29945890	Diabetes	IF
Laura C Ristow	31289186	MBio	WB
Takeshi Umazume	26747770	Invest Ophthalmol Vis 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

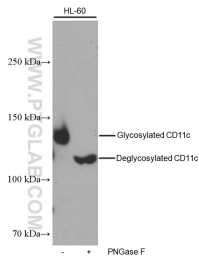
For technical support and original validation data for this product please contact:

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

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

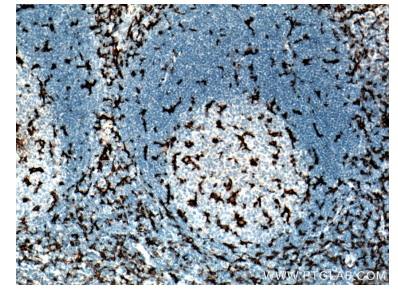
Selected Validation Data



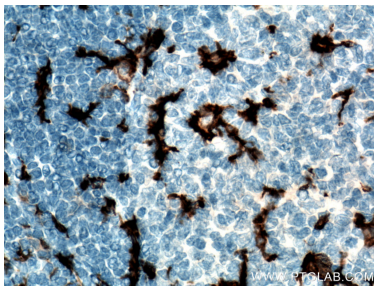
Untreated and PNGase F-treated lysates of HL-60 cells were subjected to SDS PAGE followed by western blot with 60258-1-Ig (CD11c/Integrin alpha X antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



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 1:1600 (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 1:1600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).