

For Research Use Only

CD11c/Integrin alpha X Recombinant antibody

Catalog Number: 81853-1-RR

2 Publications



Basic Information

Catalog Number: 81853-1-RR	GenBank Accession Number: BC038237	Purification Method: Protein A purification
Size: 100ul , Concentration: 750 ug/ml by Nanodrop;	GeneID (NCBI): 3687	CloneNo.: 5017
Source: Rabbit	ENSEMBL Gene ID: ENSG00000140678	Recommended Dilutions: IHC 1:500-1:2000 IF/ICC 1:125-1:500
Isotype: IgG	UNIPROT ID: P20702	
Immunogen Catalog Number: AG11380	Full Name: integrin, alpha X (complement component 3 receptor 4 subunit)	
	Calculated MW: 1169 aa, 129 kDa	

Applications

Tested Applications: IHC, IF/ICC, ELISA	Positive Controls: IHC : human tonsillitis tissue, IF/ICC : PMA treated THP-1 cells,
Cited Applications: IF	
Species Specificity: human	
Cited Species: rat	
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). CD11c, also known as integrin αX , is a type I transmembrane glycoprotein present on a variety of cells, including monocytes/macrophages, granulocytes, a subset of B cells, NK cells and dendritic cells (PMID: 2897326; 1680915; 1694698; 17389580). As a result of its high level of expression on most dendritic cells, CD11c is typically considered to be a marker of conventional dendritic cells (PMID: 27119555). CD11c forms an α/β heterodimer with CD18 (integrin $\beta 2$). CD11c/CD18 acts a receptor for fibrinogen and is important in monocyte adhesion and chemotaxis (PMID: 1671533).

Notable Publications

Author	Pubmed ID	Journal	Application
Hao-Dong Pan	39374547	Eur J Cardiothorac Surg	IF
Hui Liu	38446465	FASEB J	IF

Storage

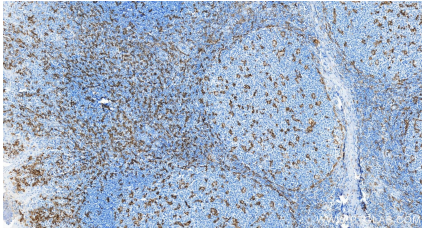
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

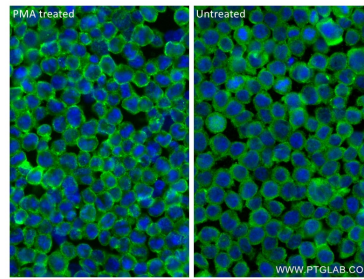
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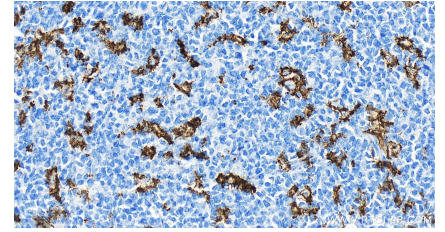
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 81853-1-RR (CD11c/Integrin alpha X antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed PMA treated THP-1 cells using CD11c/Integrin alpha X antibody (81853-1-RR, Clone: 5O17) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 81853-1-RR (CD11c/Integrin alpha X antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).