

For Research Use Only

# CD11a/Integrin Alpha L Polyclonal antibody



Catalog Number: 15574-1-AP

3 Publications

## Basic Information

<b>Catalog Number:</b> 15574-1-AP	<b>GenBank Accession Number:</b> BC008777	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 187 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3683	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000005844	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P20701	
<b>Immunogen Catalog Number:</b> AG7920	<b>Full Name:</b> integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	
	<b>Calculated MW:</b> 129 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : human tonsillitis tissue,
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**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

CD11a, also known as integrin αL or LFA-1α, is a 170-180 kDa transmembrane glycoprotein that forms a heterodimer with CD18 (PMID: 7027264; 1672643). CD11a/CD18 (LFA-1) is expressed by all leukocytes and mediates cell adhesion through interactions with its ligands, intercellular adhesion molecule 1 (ICAM-1), ICAM-2, and ICAM-3 (PMID: 7479767). CD11a/CD18 also functions in lymphocyte costimulatory signaling (PMID: 1972160).

## Notable Publications

Author	Pubmed ID	Journal	Application
Ceshu Gao	34022890	J Neuroinflammation	WB
Xuyong Wei	35430532	Transl Oncol	IHC
Ruihao Zhang	38646528	Front Immunol	IHC,IF

## Storage

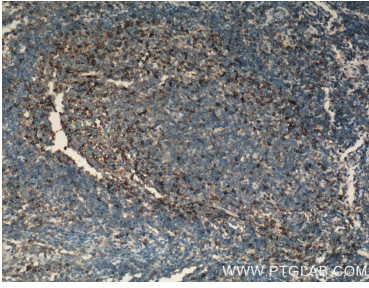
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

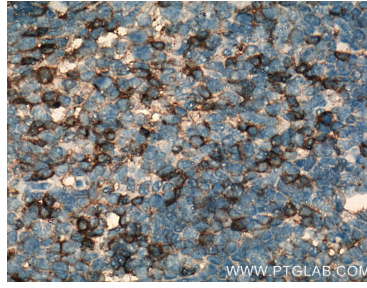
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15574-1-AP (CD11a/Integrin alpha-L Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15574-1-AP (CD11a/Integrin alpha-L Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).