

For Research Use Only

LILRB3 Polyclonal antibody

Catalog Number: 18260-1-AP **1 Publications**



Basic Information

Catalog Number: 18260-1-AP	GenBank Accession Number: BC112198	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 11025	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: O75022	
Isotype: IgG	Full Name: Leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	
Immunogen Catalog Number: AG13110	Calculated MW: 631 aa, 69 kDa	
	Observed MW: 80-90 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human peripheral blood leukocyte,
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

Background Information

The Leukocyte immunoglobulin-like receptors (LIRs, also known as ILTs, CD85, and LILRs) comprise a family of related immunoregulatory receptors encoded within the leukocyte receptor cluster (LRC) at chromosomal region 19q13.4 (PMID: 11491530). LIRs are transmembrane proteins containing either two or four extracellular immunoglobulin domains, and have diverse functions, including the regulation of inflammation, immune tolerance, cell differentiation and nervous system plasticity (PMID: 16406677; 26040207). LILRB3, also known as ILT-5 or CD85a, belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). LILRB3 is found on the surface of a variety of cell types including monocytes/macrophages, granulocytes, NK cells and some T cells. It binds to MHC class I molecules and transduces a negative signal that inhibits stimulation of an immune response. LILRB3 has been reported as a myeloid cell checkpoint that elicits profound immunomodulation (PMID: 32870822).

Notable Publications

Author	Pubmed ID	Journal	Application
Qingyan Cen	38486250	J Transl Med	WB

Storage

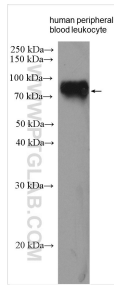
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



human peripheral blood leukocyte were subjected to SDS PAGE followed by western blot with 18260-1-AP (LILRB3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.