

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 ug/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

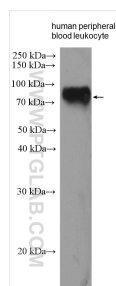
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.