

For Research Use Only

LILRB3 Polyclonal antibody

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



Basic Information

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|---|---|--|
| Catalog Number: 18260-1-AP | GenBank Accession Number: BC112198 | Purification Method: Antigen affinity purification |
| Size: 700 µg/ml | 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

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| 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 |

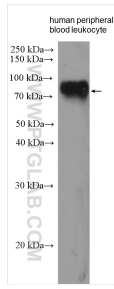
Storage

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

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