

For Research Use Only

FcZero-rAb™ APC Anti-Human LILRB3/CD85a Rabbit Recombinant Antibody

Catalog Number: APC-FcA98237



Basic Information

Catalog Number: APC-FcA98237	GenBank Accession Number: BC112198	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 11025	CloneNo.: 241894C10
Source: Rabbit	Full Name: leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Calculated MW: 631 aa, 69 kDa	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Immunogen Catalog Number: EG2084		

Applications

Tested Applications: FC	Positive Controls: FC : human PBMCs,
Species Specificity: 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).

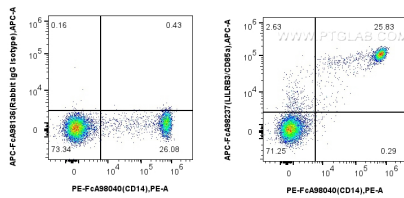
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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



1x10⁶ human PBMCs were surface stained with FcZero-rAb™ PE Anti-Human CD14, and 5 ul APC Anti-Human LILRB3/CD85a Rabbit RecAb (APC-FcA98237, Clone: 241894C10) or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone: 240953C9). Cells were not fixed.