For Research Use Only

FcZero-rAb™ APC-Cyanine7 Anti-Human LILRB3/CD85a Rabbit Recombinant Antibody

Catalog Number:AY7-FcA98237

proteintech®
Antibodies | ELISA kits | Proteins
FcZero-rAb
www.ptglab.com

Basic Information

Catalog Number:
AY7-FcA98237

Size:
100tests , 5 ul/test

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG2084

GenBank Accession Number:
BC112198

GeneID (NCBI):
11025

UNIPROT ID:
O75022

Full Name:
leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3

Calculated MW:
631 aa, 69 kDa

Purification Method:
Protein A purification

CloneNo.:
241894C10

Recommended Dilutions:
FC: 5 ul per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
650 nm / 778 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : human PBMCs,

Background Information

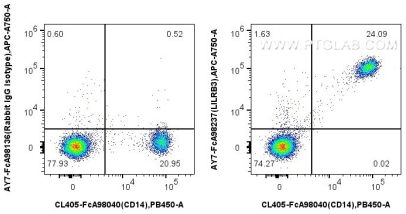
The leukocyte immunoglobulin-like receptors (LIRs, also known as ILTs, CD85, and LILRs) comprise a family of related immunoregulatory receptors encoded within the leukocyte receptor cluster (LRC) at chromosomal region 19q13.4 (PMID: 11491530). LIRs are transmembrane proteins containing either two or 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

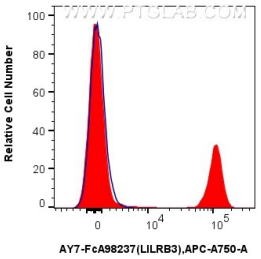
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with CoraLite® Plus 405 Anti-Human CD14, and 5 ul APC-Cyanine7 Anti-Human LILRB3/CD85a Rabbit RecAb (AY7-FcA98237, Clone: 241894C10) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking prior to staining. Cells were not fixed.



1x10^6 human PBMCs were surface stained with 5 ul APC-Cyanine7 Anti-Human LILRB3/CD85a Rabbit RecAb (AY7-FcA98237, Clone: 241894C10)(red) or FcZero-rAb™ APC-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (AY7-FcA98136, Clone: 240953C9) (blue). Cells were incubated with MonoZero™ Monocytes blocking prior to staining. Cells were not fixed.