

For Research Use Only

# FcZero-rAb™ CoraLite® Plus 488 Anti-Human LILRB3/CD85a Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98237



## Basic Information

Catalog Number:

CL488-FcA98237

Size:

100 tests, 5 µl/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 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

493 nm / 522 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

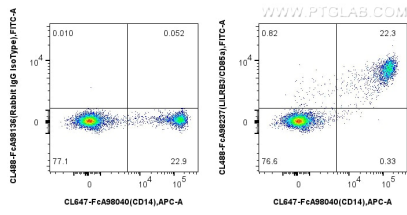
For technical support and original validation data for this product please contact:

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W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD14, and 5  $\mu$ l CoraLite® Plus 488 Anti-Human ILRB3/CD85a Rabbit RecAb (CL488-FcA98237, Clone: 241894C10) or Rabbit IgG Isotype Control RecAb (CL488-FcA98136, Clone: 240953C9). Cells were not fixed.