

# LILRB1/CD85j/ILT2 Rabbit mAb

Catalog No.: A23528 **Recombinant**

## Basic Information

### Observed MW

110kDa

### Calculated MW

49KDa/70KDa/71KDa

### Category

Primary antibody

### Applications

WB,FC,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC60700

## Background

This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein 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). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

WB 1:500 - 1:1000

FC 1:500-1:1000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

10859

### Swiss Prot

Q8NHL6

### Immunogen

Recombinant protein of human LILRB1/CD85j/ILT2.

### Synonyms

ILT2; LIR1; MIR7; PIRB; CD85j; ILT-2; LIR-1; MIR-7; PIR-B; LILRB1/CD85j/ILT2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

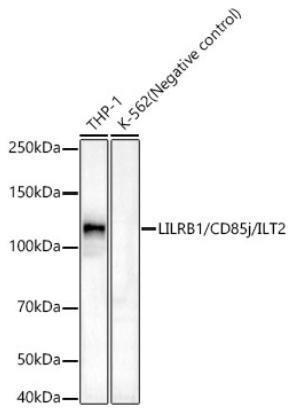
Affinity purification

### Storage

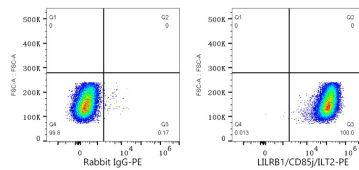
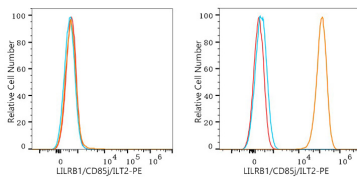
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates, using LILRB1/CD85j/ILT2 Rabbit mAb (A23528) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 180s.



Flow cytometry:  $1 \times 10^6$  K-562 cells (negative control, left) and Daudi cells (right) were surface-stained with LILRB1/CD85j/ILT2 Rabbit mAb (A23528, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by PE Donkey anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  Daudi cells were surface-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or LILRB1/CD85j/ILT2 Rabbit mAb (A23528, 2 µg/mL, right), followed by PE Donkey anti-Rabbit pAb staining.