

RP01372

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# Recombinant Human LILRB2/ILT-4/CD85d Protein

Catalog No.: RP01372

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	10288	Q8N423-1

### Tags

C-hFc&His

### Synonyms

LILRB2;CD85D;ILT-4;ILT4;LIR-2;LIR2;MIR-10;MIR10

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

<1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

Leukocyte immunoglobulin-like receptor subfamily B member 2 (LILRB2) is also known as CD85 antigen-like family member D (CD85d), Immunoglobulin-like transcript 4 (ILT-4), Monocyte / macrophage immunoglobulin-like receptor 10 (MIR-10), which is a member of the the subfamily B class of LIR receptors. Multiple transcript variants encoding different isoforms have been found for the ILT4 gene. ILT4 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.

## Basic Information

### Description

Recombinant Human LILRB2/ILT-4/CD85d Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln22-Val461) of human LILRB2/CD85d/ILT4 (Accession #AAH36827.1) fused with a Fc, 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human LILRB2 Protein at 1μg/mL (100 μL/well) can bind LILRB2 Rabbit pAb with a linear range of 0.03-6.78 ng/mL.

### Storage

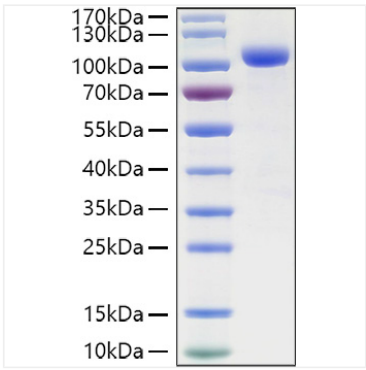
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

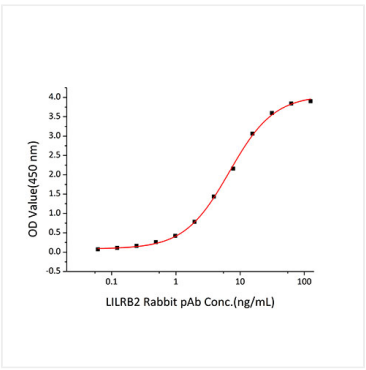


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# Validation Data



Recombinant Human LILRB2/ILT-4/CD85d Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-110kDa.



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