

Recombinant Human LILRB2/ILT-4/CD85d Protein

Catalog No.: RP01372 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	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.

Calculated MW	Observed MW
74.51 kDa	100-110 kDa

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.

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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.

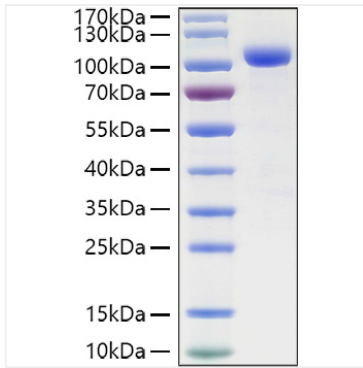
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

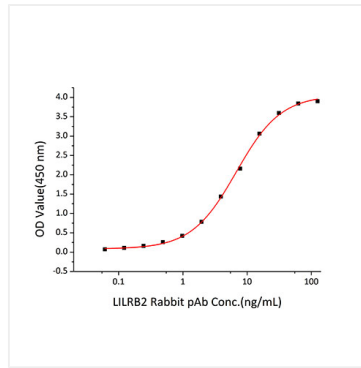
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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



Immobilized Human LILRB2 Protein at 1 μ g/mL (100 μ L/well) can bind LILRB2 Rabbit pAb with a linear range of 0.03-6.78 ng/mL.