Recombinant Human LILRB2/ILT-4/CD85d Protein

Catalog No.: RP01372

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Sequence Information

Species	Gene ID
Human	10288
Swiss Prot	**Tags**
Q8N423-1	C-hFc&His

Synonyms

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

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
74.51 kDa	100-110 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

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 stablizer (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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

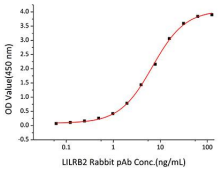
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

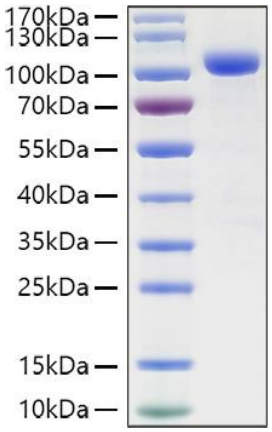
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Validation Data



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.



Recombinant Human LILRB2/ILT-4/CD85d Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.