



### Synonym

LILRB2, ILT4, LIR2, MIR10, CD85d

### Source

Human LILRB2, His Tag(LI2-H5220) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Val 461 (Accession # [AAH36827](#)).

Predicted N-terminus: Gln 22

### Molecular Characterization

LILRB2(Gln 22 - Val 461)  
AAH36827

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 48.6 kDa. The protein migrates as 58-67 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.

### Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

### Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

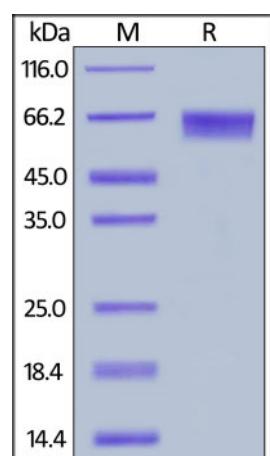
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

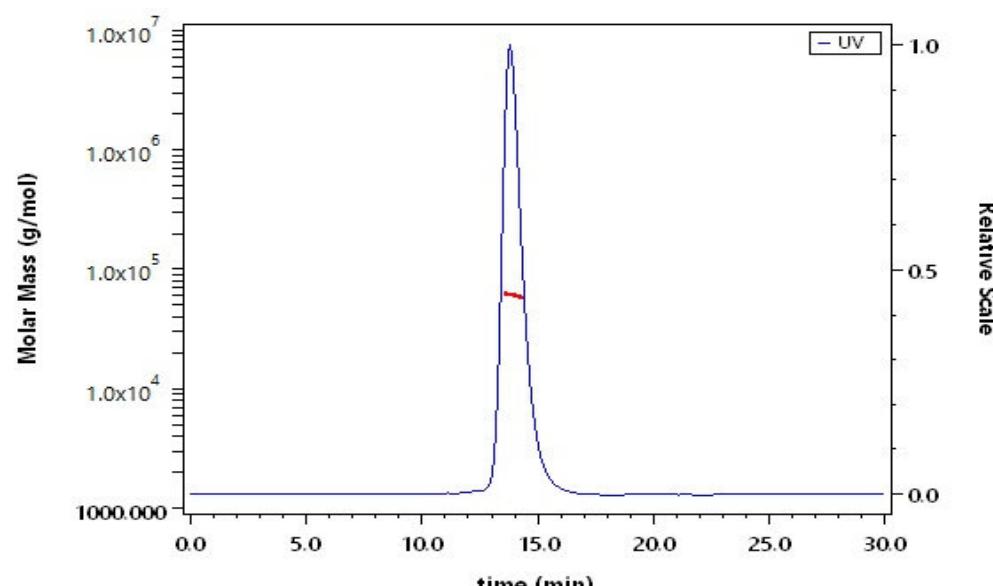
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Human LILRB2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

### SEC-MALS



The purity of Human LILRB2, His Tag (Cat. No. LI2-H5220) is more than 95% and the molecular weight of this protein is around 58-78 kDa verified by SEC-MALS.

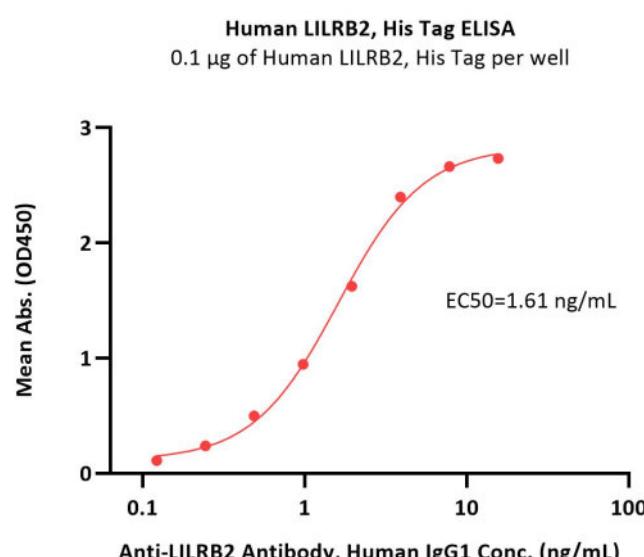
[Report](#)

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Immobilized Human LILRB2, His Tag (Cat. No. LI2-H5220) at 1 µg/mL (100 µL/well) can bind Anti-LILRB2 Antibody, Human IgG1 with a linear range of 0.5-4 ng/mL (QC tested).

## 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. LILRB2 is receptor for class I MHC antigens. LILRB2 recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles. LILRB2 competes with CD8A for binding to class I MHC antigens. LILRB2 / CD85d inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

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