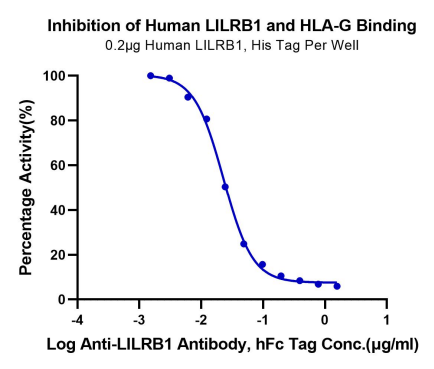
Bioactive CellTx™ HuPro®

LILRB1 (Human) Recombinant Protein

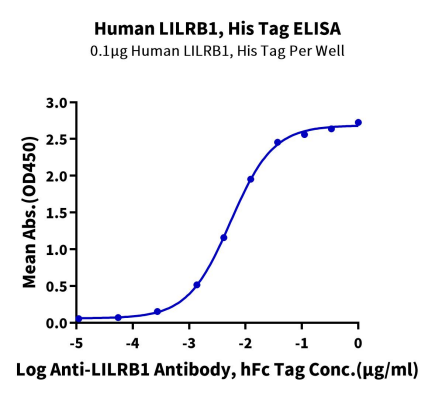
Catalog # P10187 Size 100 ug

Applications



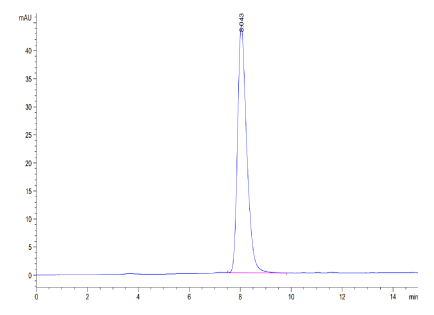
Inhibition Assay

Serial dilutions of Anti-LILRB1 Antibody were added into Biotinylated Human HLA-G Complex Tetramer, His Tag : Human LILRB1, His Tag binding reactioins. The half maximal inhibitiory concentration (IC50) is 23 ng/ml.



ELISA

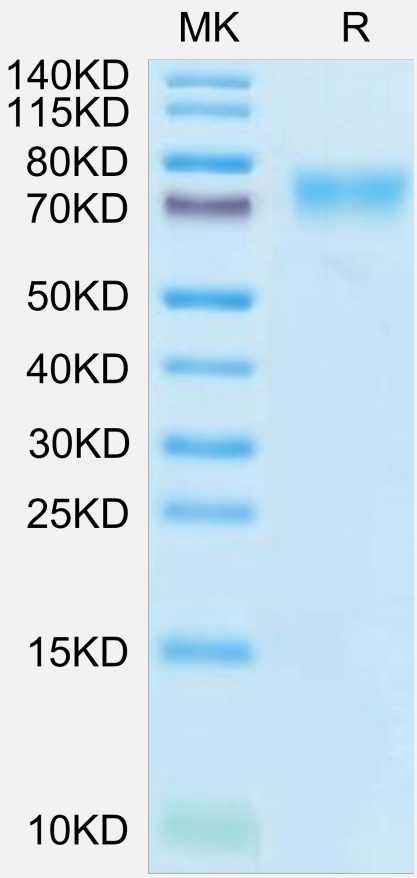
Immobilized Human LILRB1, His Tag at 1 ug/ml (100 ul/Well) on the plate. Dose response curve for Anti-LILRB1 Antibody, hFc Tag with the EC_{50} of 5.4 ng/ml determined by ELISA (QC Test).



SEC-HPLC

The purity of-Human LILRB1 is greater than 95% as determined by SEC-HPLC.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Tris-Bis PAGE

Human LILRB1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

Specification

Product Description	Human LILRB1 (Q8NHL6-1, Gly24-His458) partial recombinant protein with His-Avi tag at C-terminus expressed in HEK293 cells.
Sequence	Gly24-His458
Host	Human
Theoretical MW (kDa)	50
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Quality Control Testing	ELISA and SEC-HPLC ELISA Immobilized Human LILRB1, His Tag at 1 ug/ml (100 ul/Well) on the plate. Dose response curve for Anti-LILRB1 Antibody, hFc Tag with the EC_{50} of 5.4 ng/ml determined by ELISA (QC Test). SEC-HPLC The purity of-Human LILRB1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human LILRB1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SEC-HPLC Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay
- Inhibition Assay

  Serial dilutions of Anti-LILRB1 Antibody were added into Biotinylated Human HLA-G Complex Tetramer, His Tag : Human LILRB1, His Tag binding reactioins. The half maximal inhibitiory concentration (IC50) is 23 ng/ml.

Gene Info — LILRB1

Entrez GeneID	10859
Protein Accession#	Q8NHL6-1
Gene Name	LILRB1
Gene Alias	CD85, CD85J, FLJ37515, ILT2, LIR-1, LIR1, MIR-7, MIR7
Gene Description	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
Omim ID	604811

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	CD85 antigen|Ig-like transcript 2|OTTHUMP00000068384|OTTHUMP00000068385|OTTHUMP00000068386|OTTHUMP00000068408|immunoglobulin-like transcript 2|leukocyte Ig-like receptor-1|leukocyte immunoglobulin-like receptor 1|leukocyte immunoglobulin-like receptor sub

Disease

- Arthritis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.