antibodies - online.com







LILRB1 Protein (AA 17-456) (His tag)





Overview

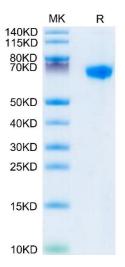
Quantity:	100 μg
Target:	LILRB1
Protein Characteristics:	AA 17-456
Origin:	Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRB1 protein is labelled with His tag.

Product Details

Purpose:	Rhesus macaque LILRB1/CD85j/ILT2 Protein
Sequence:	Ser17-His456
Characteristics:	Recombinant Rhesus macaque LILRB1/CD85j/ILT2 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser17-His456.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 215.30 nM as determined in SPR assay (Biacore T200). See testing image for detail.

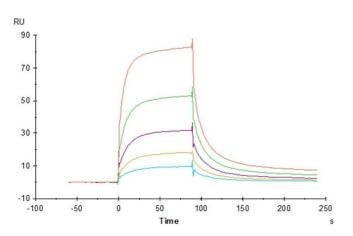
Target Details

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Target:	LILRB1
Alternative Name:	LILRB1 (LILRB1 Products)
Background:	LILRB1, also known as CD85j and ILT2, is a 110 kDa transmembrane glycoprotein in the LILR immunoregulatory protein family. Mature human LILRB1 consists of a 438 amino acid (aa) extracellular domain (ECD) with 4 tandem Ig-like domains, a 21 aa transmembrane segment, and a 168 aa cytoplasmic domain with 4 inhibitory ITIM motifs.LILRB1 is a receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles. Receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response.
Molecular Weight:	48.5 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE resu
UniProt:	F7H3G7
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

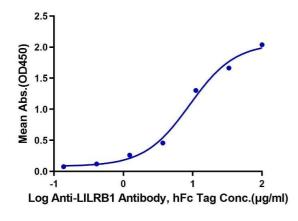
Image 1. Rhesus macaque LILRB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Surface Plasmon Resonance

Image 2. Anti-LILRB1 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Rhesus macaque LILRB1, His Tag with an affinity constant of 215.30 nM as determined in SPR assay (Biacore T200).





ELISA

Image 3. Immobilized Rhesus macaque LILRB1, His Tag at 5 μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-LILRB1 Antibody, hFc Tag with the EC50 of 9 μ g/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7275156.