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Datasheet for ABIN7535236 LILRB1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	LILRB1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LILRB1/ILT-2/CD85j Protein
Sequence:	GHLPKPTLWA EPGSVITQGS PVTLRCQGGQ ETQEYRLYRE KKTALWITRI PQELVKKGQF PIPSITWEHA GRYRCYYS D TAGRSESSDP LELVVTGAYI KPTLSAQSP VVNSGGNVIL QCDSQVAFDG FSLCKEGEDE HPQCLNSQPH ARGSSRAIFS VGPVSPSRRW WYRCYAYDSN SPYEWSLPSD LLELLVLGVS KKPSLSVQPG PIVAPEETLT LQCGSDAGYN RFVLYKDGER DFLQLAGAQP QAGLSQANFT LGPVRSYGG QYRCYGAHNL SSEWSAPSDP LDILIAGQFY DRVLSVQPG PTVASGENVT LLCQSQGWMQ TFLLTKEGAA DDPWRLRSTY QSQKYQAEFP MGPVTSAHAG TYRCYGSQSS KPYLLTHPSD PLELVSGPS GGPSSPTTGP TSTSGPEDQP LTPTGSDPQS GLGRH
Specificity:	Gly24-His458
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

Target Details

Target: LILRB1

Alternative Name: LILRB1/ILT-2/CD85j ([LILRB1 Products](#))

Background: Description: CD85 antigen-like family member J (CD85J) is also known as Leukocyte immunoglobulin-like receptor subfamily B member 1 (LILRB1 or LIR-1), Immunoglobulin-like transcript 2 (ILT-2), Monocyte/macrophage immunoglobulin-like receptor 7 (MIR7), which belongs to leukocyte immunoglobulin-like receptor (LIR) family. CD85J / LILRB1 Contains 4 Ig-like C2-type (immunoglobulin-like) domains. CD85J / LIR-1 is expressed predominantly on B-cells and monocytes. CD85J is receptor for class I MHC antigens and recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles and is also receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response. CD85J / LILRB1 interaction with HLA-B or HLA-E leads to inhibition of the signal triggered by FCER1A and inhibits serotonin release. CD85J / LILRB1 inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.

Name: LILRB1,CD85J,ILT-2,ILT2,LIR-1,LIR1,MIR-7,MIR7,PIR-B,PIRB

Gene ID: 10859

UniProt: [Q8NHL6](#)

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 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.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.