9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LILRB1 Human

Leukocyte Immunoglobulin Like Receptor B1 Human Recombinant
RCP1241

Product Overview

Name	LILRB1 Human

Description

Leukocyte Immunoglobulin Like Receptor B1 Human Recombinant

Accession (Primary)	Q8NHL6

Synonyms

Leukocyte immunoglobulin-like receptor subfamily B member 1, Leukocyte immunoglobulin-like receptor 1, leucocyte Ig-like receptor B1, CD85 antigen-like family member J, Immunoglobulin-like transcript 2, myeloid inhibitory receptor 7, Monocyte/macrophage immunoglobulin-like receptor 7, Ig-like transcript 2, MIR-7, LILRB1, ILT2, LIR1, MIR7, LIR-1, ILT-2, PIRB, PIR-B

Introduction

Leukocyte Immunoglobulin Like Receptor B1 (LILRB1) is a member of the leukocyteimmunoglobulinlike receptor (LIR) family. LILRB1is expressed on immune cells, binds to MHC classI molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immuneresponse. LILRB1 controls inflammatory responses and cytotoxicity to help focus the immune responseand limit autoreactivity. LILRB1 is also expressed on the surface of B cells and monocytes, subsets of NKcells, gamma δ T cells,memory/effector CD8+ T cells and monocyte-derived dendritic cells.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The LILRB1 solution (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

GHLPKPTLWA EPGSVITQGS PVTLRCQGGQ ETQEYRLYRE KKTAPWITRI PQELVKKGQF PIPSITWEHT GRYRCYYGSD TAGRSESSDP LELVVTGAYI KPTLSAQPSP VVNSGGNVTL QCDSQVAFDG FILCKEGEDE HPQCLNSQPH ARGSSRAIFS VGPVSPSRRW WYRCYAYDSN SPYEWSLPSD LLELLVLGVS KKPSLSVQPG PIVAPEETLT LQCGSDAGYN RFVLYKDGER DFLQLAGAQP QAGLSQANFT LGPVSRSYGG QYRCYGAHNL SSEWSAPSDP LDILIAGQFY DRVSLSVQPG PTVASGENVT LLCQSQGWMQ TFLLTKEGAA DDPWRLRSTY QSQKYQAEFP MGPVTSAHAG TYRCYGSQSS KPYLLTHPSD PLELVVSGPS GGPSSPTTGP TSTSGPEDQP LTPTGSDPQS GLGRHLGV LE HHHHHH

Biological Activity

Biological activity is > 50%. It is defined by the ability of the immobilized protein to support the adhesion of HSB2 human peripheral blood acute lymphoblastic leukemia cells, while the cells are added to LILRB1 coated plates at 5ug/ml.

Precautions

LILRB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8NHL6)