

Product Information

MemDX™ Membrane Protein Human LILRB1 (Leukocyte immunoglobulin like receptor B1)

Expressed in NS0 for Antibody Discovery, Partial (24-458aa)

Cat. No.: **MPX0479K**

This product is for research use only and is not intended for diagnostic use.

This product is a 73.8 kDa Human LILRB1 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

LILRB1

Protein Length

Partial (24-458aa)

Protein Class

Receptor; Immunity

Molecular Weight

73.8 kDa

TMD

1

Sequence

GHLPKPTLWAEPGSVITQGSPVTLRCQ
GGQETQEYRLYREKKTALWITRIPQELVKKGGFPIPSITWEHAGRYRCYY
GSDTAGRSESSDPLELVVTGAYIKPTLSAQPSPVVNSGGNVILQCDSQVA
FDGFSLCKEGEDEHPQCLNSQPHARGSSRAIFSVGPVSPSRRWWYRCYAY
DSNSPYEWSLPSDLLLELLVLGVSKKPSLSVQPGPIVAPEETLTLQCGSDA
GYNRFVLYKDGERDFLQLAGAQPAQAGLSQANFTLGPVSRSYGGQYRCYGA
HNLSSSEWSAPSDPLDILIAGQFYDRVLSVQPGPTVASGENVTLLCQSQG
WMQTFLLTKEGAADDPWRLRSTYQSQKYQAEFFPMGPVTSAHAGTYRCYGS
QSSKPYLLTHPSDPLELVVSGPSGGPSSPTTGPTSTSGPEDQPLTPTGSD
PQSGLGRH

Product Description

Activity

Yes

Expression Systems

NS0

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

LILRB1

Full Name

Leukocyte immunoglobulin like receptor B1

Introduction

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.

Alternative Names

LILRB1; ILT2; LIR1; MIR7; PIRB; CD85J; ILT-2; LIR-1; MIR-7; PIR-B; leukocyte immunoglobulin-like receptor subfamily B member 1; CD85 antigen-like family member J; Ig-like transcript 2; immunoglobulin heavy chain variable region; leucocyte Ig-like receptor B1; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1; monocyte/macrophage immunoglobulin-like receptor 7; myeloid inhibitory receptor 7; Leukocyte immunoglobulin like receptor B1

Gene ID

[10859](#)

UniProt ID

[Q8NHL6](#)