

Product Information

MemDX™ Membrane Protein Human LILRB2 (Leukocyte immunoglobulin like receptor B2)

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

Cat. No.: **MPX0489K**

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

This product is a 73.9 kDa Human LILRB2 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

LILRB2

Protein Length

Partial (24-458aa)

Protein Class

Receptor; Immunity

Molecular Weight

73.9 kDa

TMD

1

Sequence

GTIPKPTLWAEPDSVITQGSPVTLSCQ
GSLEAQEYRLYREKKASWITRIRPELVKNGQFHIPSITWEHTGRYGCQY
YSRARWSELSDPLVLVMTGAYPKPTLSAQSPVVTSGGRVTLQCESQVAF
GGFILCKEGEEHPQCLNSQPHARGSSRAIFSVGPVSPNRRWSHRCYGYD
LNSPYVWSSPSDLELLVPGVSKKPSLSVQPGPVVAPGESLTLQCVSDVG
YDRFVLYKEGERDLRQLPGRQPQAGLSQANFTLGPVSRSYGGQYRCYGAH
NLSSECSAPSDPLDILITGQIRGTPFISVQPGPTVASGENVTLLCQSWRQ
FHTFLLTKAGAADAPLRLRSIHEYPKYQAEFPMSPVSAHAGTYRCYGSL
NSDPYLLSHPSEPLELVVSGPSMGSSPPPTGPISTPAGPEDQPLTPTGSD
PQSGGLGRH

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 visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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

LILRB2

Full Name

Leukocyte immunoglobulin like receptor B2

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

LILRB2; ILT4; LIR2; CD85D; ILT-4; LIR-2; MIR10; MIR-10; leukocyte immunoglobulin-like receptor subfamily B member 2; CD85 antigen-like family member D; Ig-like transcript 4; leucocyte Ig-like receptor B2; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2; monocyte/macrophage immunoglobulin-like receptor 10; myeloid inhibitory receptor 10; Leukocyte immunoglobulin like receptor B2

Gene ID

[10288](#)

UniProt ID

[Q8N423](#)