

Product Information

MemDX™ Membrane Protein Human LILRB3 (Leukocyte immunoglobulin like receptor B3)

Full Length

Cat. No.: **MPC2252K**

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

This product is a 69.3 kDa Human LILRB3 membrane protein expressed in HEK293. 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

LILRB3

Protein Length

Full length

Protein Class

Receptor; Immunity

Molecular Weight

69.3 kDa

TMD

1

Sequence

MTPALTALLCLGLSLGPRTRVQAGPFPKPTLWAEPGSVISWGSPVTIWCQ
GSQEAQEYRLHKEGSPEPLDRNNPLEPKNKARFSIPSMTEHHAGRYRCHY
YSSAGWSEPSDPLEMVMGTGAYSKPTLSALPSPVVASGGNMTLRCSQKGY
HHFVLMKEGEHQLPRTLDSQQQLHSRGFQALFPVGPVTPSHRWRFTCYYYY
TNTPWVWVSHPSDPLEILPSGVSRKPSLLTLQGPVLAPGQSLTLQCGSDVG
YNRFVLYKEGERDFLQRPQGQPQAGLSQANFTLGPVSPSNGGQYRCYGAH
NLSSEWSAPSDPLNILMAGQIYDTVLSAQPGPTVASGENVTLLCQSWWQ
FDTFLLTKEGAHPPLRLRSMYGAHKYQAEFPMSPVSAHAGTYRCYGSY
SSNPHELLSHPSELELVVSGHSGGSSLPPTGPPSTPGLGRYLEVLIGVSV
AFVLLLFLLLFLLRRQRHSHKRTSDQRKTDQRPAGAAETEPKDRGLLR
RSSPAADVQEENLYAAVKDTQSEDRVELDSQSPHDEDPQAVTYAPVKHSS
PRREMASPPSSLSGEFLDTKDRQVEEDRQMDTEAAASEASQDVTYAQLHS
LTLRRKATEPPPSQEGEPPEPSIYATLAIH

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

LILRB3

Full Name

Leukocyte immunoglobulin like receptor B3

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

LILRB3; HL9; ILT5; LIR3; PIRB; CD85A; ILT-5; LIR-3; PIR-B; LILRA6; leukocyte immunoglobulin-like receptor subfamily B member 3; CD85 antigen-like family member A; immunoglobulin-like transcript 5; leucocyte Ig-like receptor B3; leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3; monocyte inhibitory receptor HL9; Leukocyte immunoglobulin like receptor B3

Gene ID

[11025](#)

UniProt ID

[O75022](#)