
Product Data Sheet

Product Name: LILRB2 Human
 Cat. No.: GP26302
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	withIcePacks

Synonyms
 Leukocyte Immunoglobulin-like Receptor, CD85D, CD85d, CD85 antigen-like family member D, CD85d antigen, ILT-4, ILT4, ILT4CD85d, Ig-like transcript 4, Immunoglobulin-like transcript 4, LILRB2, LIR2, LIR-2, LIR2CD85D, Leukocyte immunoglobulin-like receptor 2, MIR10, MIR-10, MIR10LILRA6, Monocyte/macrophage immunoglobulinlike receptor 10, leukocyte immunoglobulin-like receptor subfamily B member 2, leukocyte immunoglobulin-like receptor subfamily B member 2 soluble isoform 1.

Amino Acid Sequence
 GTIPKPTLWA EPDSVITQGS PVTLS CQGS L EAQEYRLYRE KKSASWITRI
 RPELVKNGQF HIPSITWEHT GRYGCQYYSR ARWSELSDPL VLVMTGAYPK
 PTLSAQPSPV VTSGGRVTLQ CESQVAFGGF ILCKEGEDEH PQCLNSQPHA
 RGSSRAIFSV GPVSPNRRWS HRCYGYDLNS PYVWSSPSDL LELLVPGVSK
 KPSLSVQPGP VMAPGESLTL QCVSDVGYDR FVLYKEGERD LRQLPGRQPQ
 AGLSQANFTL GPVRSYGGQ YRCYGAHNLS SECSAPSDPL DILITGQIRG
 TPFISVQPGP TVASGENVTL LCQSWRQFHT FLLTKAGAAD APLRLRSIHE
 YPKYQAEFPM SPV TSAHAGT YRCYGLNSD PYLLSHPSEP LELVVSGPSM
 GSSPPPTGPI STPAGPEDQP LTPTGSDPQS GLGRHLGVHH HHHH

Formulation
 The LILRB2 solution (0.5 mg/ml) contains phosphate buffered saline (pH7.4) and 20% glycerol.

Introduction

Leukocyte Immunoglobulin Like Receptor B2 (LILRB2) is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LILRB2 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. LILRB2 controls inflammatory

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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responses and cytotoxicity to help focus the immune response and limit autoreactivity. LILRB2 competes with CD8 alpha for MHC I binding. LILRB2 binds to classical MHC I proteins as well as the non-classical HLA-G1 and HLA-F molecules.

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.

Background

LILRB2 Human Recombinant produced in HEK293 Cells is a single, glycosylated polypeptide chain containing 444 amino acids (24-461 a.a) and having a molecular mass of 48.3kDa. LILRB2 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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