

## 32-13778: LILRB1 Human

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| <b>Format :</b>           | The LILRB1 solution (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).  |
| <b>Alternative Name :</b> | 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 |

### Description

Source: Sf9, Baculovirus cells.

Physical Appearance: Sterile Filtered colorless solution.

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.

Leukocyte Immunoglobulin Like Receptor B1 (LILRB1) is a member of the leukocyte immunoglobulin like receptor (LIR) family. LILRB1 is expressed on immune cells, binds to MHC class I 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 response and limit autoreactivity. LILRB1 is also expressed on the surface of B cells and monocytes, subsets of NK cells, gamma d T cells, memory/effector CD8+ T cells and monocyte-derived dendritic cells.

LILRB1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 446 amino acids (24-461 a.a) and having a molecular mass of 48.5kDa. LILRB1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

### Product Info

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| <b>Amount :</b>            | 10 µg / 2 µg   |
| <b>Purification :</b>      | Greater than 95.0% as determined by SDS-PAGE.  |
| <b>Storage condition :</b> | 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.   |
| <b>Amino Acid :</b>        | GHLPKPTLWA EPGSVITQGS PVTLR CQGGQ ETQ EYRL YRE KKTAPWITRI PQELVKKGQF PIPSITWEHT GRYRCYYGSD TAGRSESSDP LELVVTGAYI KPTLSAQSP VVNSGGNVT LQCDSQVAFDG FILCKEGEDE HPQCLNSQPH ARGSSRAIFS VGPVSPSRRW WYRCYAYDSN SPYEWLSLPSD LLELLVLGVS KKPSLSVQPG PIVAPEETLT LQCGSDAGYN RFVLYKDGER DFLQLAGAQP QAGLSQANFT LGPVRSYGG QYRCYGAHNL SSEWSAPSDP LDILIAGQFY DRVLSVQPG PTVASGENVT LLCQSQGMQ TFLLTKEGAA DDPWRLRSTY QSQKYQAEFP MGPVTS AHAG TYRCYGSQSS KP YLLTHPSD PLELVVSGPS GGPSSPTTGP TSTSGPEDQP LTPTGSDPQS GLGRHLGVLE HHHHHH |