Recombinant Mouse Lilrb4a protein, Fc-tagged

Cat. No. Lilrb4a-0625M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse LILRB4, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Lys 238 (Accession # Q64281-1).
Species	Mouse
Source	HEK293
ProteinLength	Gly 24 - Lys 238
Description	Leukocyte immunoglobulin-like receptor subfamily B member 4 (LILRB4) is also known as CD85 antigen-like family member K (CD85K), Immunoglobulin-like transcript 3 (ILT-3), Leukocyte immunoglobulin-like receptor 5 (LIR-5), Monocyte inhibitory receptor HM18, which belongs to the leukocyte immunoglobulin-like receptor (LIR) family. LILRB4 / CD85K contains 2 Ig-like C2-type (immunoglobulin-like) domains. CD85K is detected in monocytes, macrophages, dendritic cells, lung, natural killer cells and B-cells. LILRB4 / CD85K is receptor for class I MHC antigens. CD85K recognizes a broad spectrum of HLA-A, HLA-B, HLA-C and HLA-G alleles, involved in the down-regulation of the immune response and the development of tolerance. LILRB4 interferes with TNFRSF5-signaling and NF-kappa-B up-regulation and inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.
Predicted N Terminal	Gly 24
Form	Lyophilized from 0.22

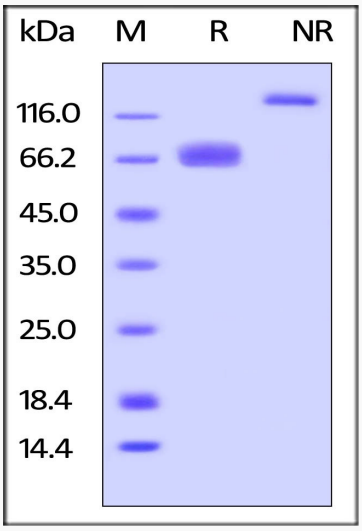
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	μm filtered solution in 50 mM tris, 100 mM glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 50.7 kDa. As a result of glycosylation, the protein migrates as 60-66 kDa under reducing (R) condition, and 120-140 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Shipping	Powder,RT

GENE INFORMATION

Gene Name	Lilrb4a leukocyte immunoglobulin-like receptor, subfamily B, member 4A [Mus musculus (house mouse)]
Official Symbol	Lilrb4a
Synonyms	HM18; ILT3; gp49; CD85K; Gp49b; LIR-5; Lilrb4; glycoprotein 49 B; leukocyte immunoglobulin-like receptor, subfamily B, member 4; mast cell surface glycoprotein Gp49B; leukocyte immunoglobulin-like receptor subfamily B member 4

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Gene ID	14728
mRNA Refseq	NM_001291894.1
Protein Refseq	NP_001278823.1
UniProt ID	Q64281
SDS-PAGE	 Mouse LILRB4, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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