Recombinant Human leukocyte immunoglobulin like receptor B4 Protein, His&Flag tagged

Cat. No. LILRB4-132H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LILRB4/ILT3 protein (Q8NHJ6) (Gln 22-Glu 259) with both His and Flag tag at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-259aa
Description	Inhibitory receptor involved in the down-regulation of the immune response and the development of immune tolerance. Receptor for FN1. Receptor for apolipoprotein APOE. Receptor for ALCAM/CD166. Inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions. Inhibits FCGR1A/CD64-mediated monocyte activation by inducing phosphatase-mediated down-regulation of the phosphorylation of multiple proteins including LCK, SYK, LAT and ERK, leading to a reduction in TNF production. This inhibition of monocyte activation occurs at least in part via binding to FN1. Inhibits T cell proliferation, inducing anergy, suppressing the differentiation of IFNG-producing CD8+ cytoxic T cells and enhancing the generation of CD8+ T suppressor cells. Induces up-regulation of CD86 on dendritic cells. Interferes with TNFRSF5-signaling and NF-kappa-B up-regulation.
Tag	C-His&Flag
Molecular Mass	29 kDa

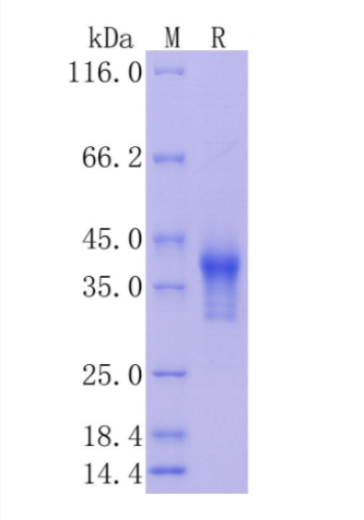
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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	LILRB4 leukocyte immunoglobulin like receptor B4 [Homo sapiens (human)]
Official Symbol	LILRB4
Synonyms	HM18; ILT3; LIR5; CD85K; LIR-5; LILRB5
Gene ID	11006
mRNA Refseq	NM_006847.3
Protein Refseq	NP_006838.3
MIM	604821
UniProt ID	Q8NHJ6

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Protein on SDS-PAGE under reducing (R) condition.	

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