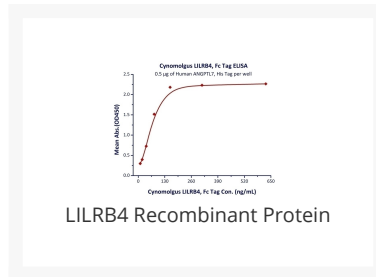




# LILRB4 Recombinant Protein

Cat. No.: 96-808




## Ψ Specifications

<b>SPECIES:</b>	Cynomolgus monkey
<b>SOURCE SPECIES:</b>	HEK293 cells
<b>SEQUENCE:</b>	Gln 22 - Glu 259
<b>FUSION TAG:</b>	Fc Tag
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	This recombinant protein can be used for E, WB. For research use only.
<b>PREDICTED MOLECULAR WEIGHT:</b>	52.7 kDa

## Ψ Properties

<b>PURITY:</b>	>85% as determined by SDS-PAGE. Endotoxin level is less than 1.0 EU per ug by the LAL method.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Tris with Glycine, Arginine and NaCl, pH7.5
<b>STORAGE CONDITIONS:</b>	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

<b>OFFICIAL SYMBOL:</b>	LILRB4
<b>ALTERNATE NAMES:</b>	LILRB4,ILT3,LIR5,CD85K,HM18
<b>ACCESSION NO.:</b>	XP_015297198.1
<b>GENE ID:</b>	107128256

 Background and References

<b>BACKGROUND:</b>	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.
<b>REFERENCES:</b>	1) Cella M., et al., 1997, J. Exp. Med. 185:1743-1751.
	2) Chang C.C., et al., 2002, Nat. Immunol. 3:237-243.

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