

Human LILRB4/ILT3, C-His, Flag Tag (ECD) Protein

HA210719



Product name:	Human LILRB4/ILT3, C-His, Flag Tag (ECD)
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human LILRB4/ILT3 protein (Q8NHJ6) (Gln 22-Glu 259) was expressed with both His and Flag tag at the C-terminus.

Background: 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+ cytotoxic 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.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: LILRB4/ILT3 (22-259)

Source: HEK293

Accession: Q8NHJ6

Predicted molecular mass: 29 kD

Formulation: 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.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

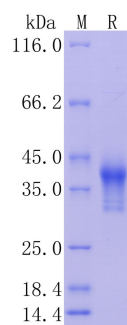


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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