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Anti-CD85k Antibody

Catalog # AP54076

Product Information

Application	WB, IF/IC
Primary Accession	Q8NHJ6
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49356

Additional Information

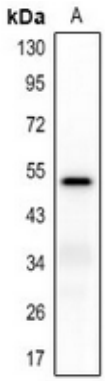
Gene ID	11006
Other Names	ILT3; LIR5; Leukocyte immunoglobulin-like receptor subfamily B member 4; CD85 antigen-like family member K; Immunoglobulin-like transcript 3; ILT-3; Leukocyte immunoglobulin-like receptor 5; LIR-5; Monocyte inhibitory receptor HM18; CD85k
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD85k. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

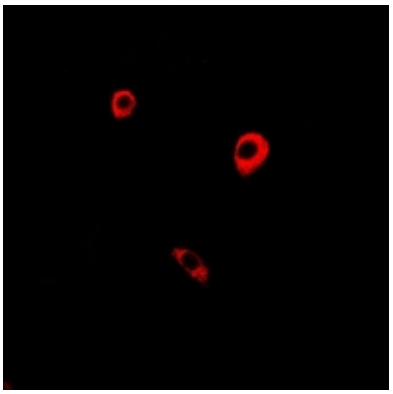
Name	LILRB4
Synonyms	ILT3, LIR5
Function	Inhibitory receptor involved in the down-regulation of the immune response and the development of immune tolerance (PubMed:11875462). Receptor for FN1 (PubMed:34089617). Receptor for apolipoprotein APOE (PubMed:30333625). Receptor for ALCAM/CD166 (PubMed:29263213). Inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed:9151699). 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 (PubMed:19833736). This inhibition of monocyte activation occurs at least in part via binding to FN1 (PubMed:34089617). 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 (PubMed:16493035, PubMed:19833736, PubMed:29263213). Induces up- regulation of CD86 on dendritic cells (PubMed:19860908). Interferes with TNFRSF5-signaling and NF-kappa-B up-regulation (PubMed:11875462).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Note=Ligand binding leads to internalization and translocation to an antigen-processing compartment
Tissue Location	Detected on monocytes, macrophages, dendritic cells, natural killer cells and B-cells (at protein level). Expressed in the lung.

Images



Western blot analysis of CD85k expression in rat lung (A) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 50 kD)



Immunofluorescent analysis of CD85k staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.