

# Anti-LILRB4 / ILT3 / CD85k Reference Antibody (Merck patent anti-ILT3 complex)

Recombinant Antibody  
Catalog # APR10972

## Product Information

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<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">Q8NHJ6</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Calculated MW</b>	49356

## Additional Information

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<b>Target/Specificity</b>	LILRB4 / ILT3 / CD85k
<b>Endotoxin Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

## Protein Information

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<b>Name</b>	LILRB4
<b>Synonyms</b>	ILT3, LIR5
<b>Function</b>	Inhibitory receptor involved in the down-regulation of the immune response and the development of immune tolerance (PubMed: <a href="#">11875462</a> ). Receptor for FN1 (PubMed: <a href="#">34089617</a> ). Receptor for apolipoprotein APOE (PubMed: <a href="#">30333625</a> ). Receptor for ALCAM/CD166 (PubMed: <a href="#">29263213</a> ). Inhibits receptor-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed: <a href="#">9151699</a> ). 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: <a href="#">19833736</a> ). This inhibition of monocyte activation occurs at least in part via binding to FN1 (PubMed: <a href="#">34089617</a> ). 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: <a href="#">16493035</a> , PubMed: <a href="#">19833736</a> , PubMed: <a href="#">29263213</a> ). Induces up-regulation of CD86 on dendritic cells (PubMed: <a href="#">19860908</a> ). Interferes with TNFRSF5-signaling and

NF-kappa-B up-regulation (PubMed:[11875462](https://pubmed.ncbi.nlm.nih.gov/11875462/)).

## Cellular Location

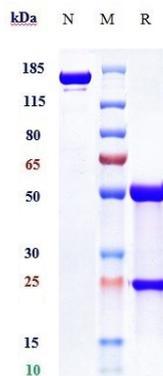
Cell membrane; Single-pass type I membrane protein. Note=Ligand binding leads to internalization and translocation to an antigen-processing compartment

## Tissue Location

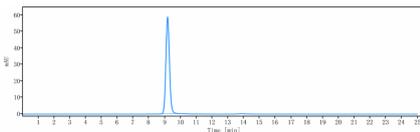
Detected on monocytes, macrophages, dendritic cells, natural killer cells and B-cells (at protein level). Expressed in the lung.

## Images

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Anti-LILRB4 / ILT3 / CD85k Reference Antibody (Merck patent anti-ILT3 complex) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-LILRB4 / ILT3 / CD85k Reference Antibody (Merck patent anti-ILT3 complex) is more than 95% ,determined by SEC-HPLC.

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