

# CD85g Polyclonal Antibody

Catalog # AP73441

## Product Information

---

Application	WB, IHC-P
Primary Accession	<a href="#">P59901</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55181

## Additional Information

---

Gene ID	23547
Other Names	LILRA4; ILT7; Leukocyte immunoglobulin-like receptor subfamily A member 4; CD85 antigen-like family member G; Immunoglobulin-like transcript 7; ILT-7; CD85g
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

---

Name	LILRA4 ( <a href="#">HGNC:15503</a> )
Function	Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed: <a href="#">16735691</a> , PubMed: <a href="#">19564354</a> ). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as a negative regulator of TLR7 and TLR9 signaling cascades (PubMed: <a href="#">16735691</a> , PubMed: <a href="#">19564354</a> , PubMed: <a href="#">24586760</a> ). Down-regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed: <a href="#">26172439</a> ). Activates a signaling cascade in complex with FCER1G that results in phosphorylation of Src family and Syk kinases and thereby triggers mobilization of intracellular Ca(2+) (PubMed: <a href="#">16735691</a> , PubMed: <a href="#">19564354</a> ). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed: <a href="#">24586760</a> ).

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

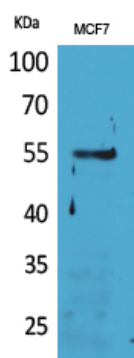
**Tissue Location**

Detected on plasmacytoid dendritic cells (at protein level). Detected on plasmacytoid dendritic cells, but not on monocytes or B cells.

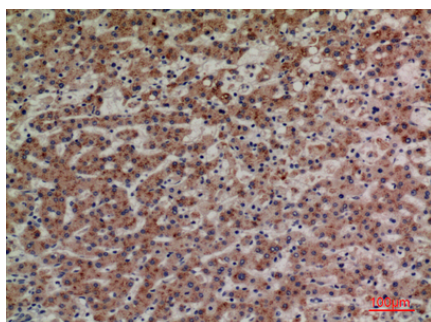
## Background

Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:[16735691](#), PubMed:[19564354](#)). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades (PubMed:[16735691](#), PubMed:[19564354](#), PubMed:[24586760](#)). Down- regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed:[26172439](#)). Activates a signaling cascade in complex with FCER1G that results in phosphorylation of Src family and Syk kinases and thereby triggers mobilization of intracellular Ca(2+) (PubMed:[16735691](#), PubMed:[19564354](#)). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:[24586760](#)).

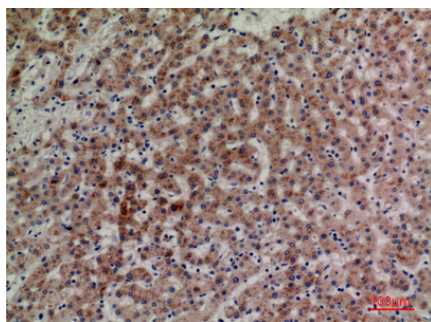
## Images



Western Blot analysis of MCF7 cells using CD85g Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100