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Goat Anti-LILRA4 Antibody (C Terminus)

Catalog # AF4307a

Specification

Goat Anti-LILRA4 Antibody (C Terminus) - Product Information

Application	**WB**
Primary Accession	P59901
Other Accession	NP_036408.3, 23547
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Isotype	**IgG**
Calculated MW	**55181**

Goat Anti-LILRA4 Antibody (C Terminus) - Additional Information

Gene ID 23547

Other Names
Leukocyte immunoglobulin-like receptor subfamily A member 4, CD85 antigen-like family member G, Immunoglobulin-like transcript 7, ILT-7, CD85g, LILRA4, ILT7

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-LILRA4 Antibody (C Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-LILRA4 Antibody (C Terminus) - Protein Information

Name LILRA4 (HGNC:15503)

Function
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 a 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).

Cellular Location
Cell membrane; Single-pass type I membrane protein

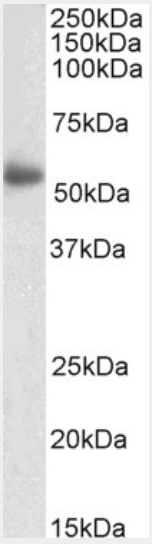
Tissue Location
Detected on plasmacytoid dendritic cells (at protein level). Detected on plasmacytoid dendritic cells, but not on monocytes or B cells.

Goat Anti-LILRA4 Antibody (C Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-LILRA4 Antibody (C Terminus) - Images



AF4307a (2 µg/ml) staining of Human Spleen lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.