

**Goat anti-LILRA4 (aa68-78) Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4454a****Specification**

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**Goat anti-LILRA4 (aa68-78) Antibody - Product Information**

Application	<b>WB, Pep-ELISA</b>
Primary Accession	<a href="#">P59901</a>
Other Accession	<a href="#">NP_036408.3</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>55181</b>

**Goat anti-LILRA4 (aa68-78) Antibody - Additional Information****Gene ID** 23547**Other Names**

LILRA4; leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4; CD85g; ILT7; CD85 antigen-like family member G; ILT-7; immunoglobulin-like transcript 7; leukocyte immunoglobulin-like receptor subfamily A member 4; leukocyte immunog

**Dilution**

WB~~1:1000  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**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 (aa68-78) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-LILRA4 (aa68-78) Antibody - Protein Information****Name** LILRA4 ([HGNC:15503](#))**Function**

Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:<a href="http://www.uniprot.org/citations/16735691" target="\_blank">16735691</a>, PubMed:<a href="http://www.uniprot.org/citations/19564354"

target="\_blank">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="http://www.uniprot.org/citations/16735691" target="\_blank">16735691</a>, PubMed:<a href="http://www.uniprot.org/citations/19564354" target="\_blank">19564354</a>, PubMed:<a href="http://www.uniprot.org/citations/24586760" target="\_blank">24586760</a>). Down-regulates interferon production in response to interaction with BST2 on HIV-1 infected cells (PubMed:<a href="http://www.uniprot.org/citations/26172439" target="\_blank">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="http://www.uniprot.org/citations/16735691" target="\_blank">16735691</a>, PubMed:<a href="http://www.uniprot.org/citations/19564354" target="\_blank">19564354</a>). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:<a href="http://www.uniprot.org/citations/24586760" target="\_blank">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.

### **Goat anti-LILRA4 (aa68-78) Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Goat anti-LILRA4 (aa68-78) Antibody - Images**