

# Goat Anti-LILRA4 Antibody (C Terminus)

Catalog # AF4307a

#### **Product Information**

**Application** WB, E **Primary Accession** P59901

Other Accession <u>NP\_036408.3</u>, <u>23547</u>

Reactivity Human
Predicted Human
Host Goat
Isotype IgG
Calculated MW 55181

#### **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

**Dilution** WB~~1:1000 E~~N/A

**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.

### **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

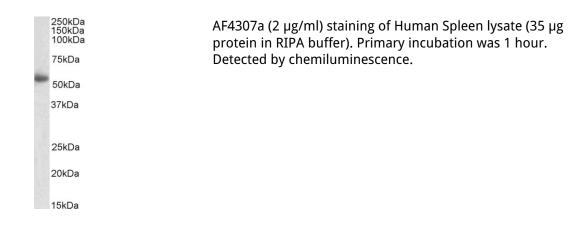
(PubMed:24586760).

**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.

## **Images**



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