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Goat anti-LILRA4 (aa68-78) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4454a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P59901
Other Accession	NP_036408.3
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Clone Names	LILRA4
Calculated MW	55181

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.

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.