CD85g Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	CD85g, Polyclonal Antibody
Full Product Name	CD85g Polyclonal Antibody
Product Gene Name	anti-CD85g antibody
Clonality	Polyclonal
Molecular Weight	47,806 Da
OMIM	607517
3D Structure	ModBase 3D Structure for P59901
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CD85g antibody	MBS8526239 is an antibody targeting CD85g. Also known as CD85g Polyclonal Antibody.
Other Notes	Small volumes of anti-CD85g antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD85g. It may not necessarily be applicable to this product.

NCBI GI #	751130514
NCBI GeneID	23547
NCBI Accession #	NP_036408.4
UniProt Primary Accession #	P59901
UniProt Secondary Accession #	Q32MC4
UniProt Related Accession #	P59901
GenBank Nucleotide #	NM_012276.4
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily A member 4
NCBI Official Synonym Full Names	leukocyte immunoglobulin like receptor A4
NCBI Official Symbol	LILRA4
NCBI Official Synonym Symbols	ILT7; CD85g
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily A member 4
UniProt Synonym Protein Names	CD85 antigen-like family member G; Immunoglobulin-like transcript 7
Protein Family	Leukocyte immunoglobulin-like receptor subfamily
UniProt Gene Name	LILRA4
UniProt Synonym Gene Names	; ILT-7
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily A member 4

NCBI Summary for CD85g	This gene encodes an immunoglobulin-like cell surface protein that is expressed predominantly on plasmacytoid dendritic cells (PDCs) and modulates the function of these cells in the immune response. Expression of this gene is downregulated by interleukin 3 (IL3). This gene is one of a cluster of highly related genes located at chromosomal region 19q13.4. [provided by RefSeq, Jan 2015]
UniProt Comments for CD85g	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 Ca2+ (PubMed:16735691, PubMed:19564354). Does not interfere with the differentiation of plasmacytoid dendritic cells into antigen-presenting cells (PubMed:24586760).
Research Articles on CD85g	**1.** Crosslinked ILT7 favours the differentiation of immature plasmacytoid dendritic cells into antigen-presenting cells rather than IPC.
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