10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-LILRA4 / ILT7 / CD85g Reference Antibody (daxdilimab)

Recombinant Antibody
Catalog # APR10129

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P59901
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-REM
Calculated MW	55181

Additional Information

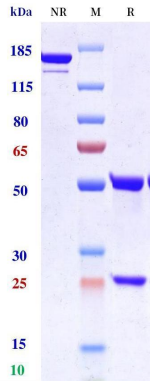
Target/Specificity	LILRA4 / ILT7 / CD85g
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

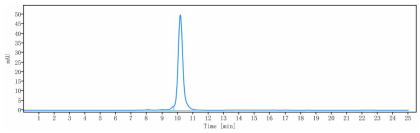
Name	LILRA4 (HGNC:15503)
Function	Functions coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to 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.

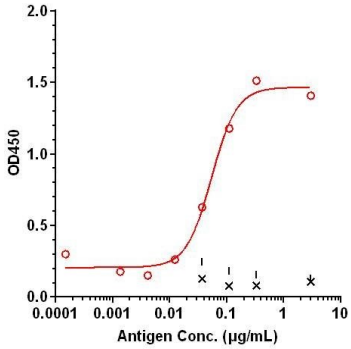
Images



Anti-LILRA4 / ILT7 / CD85g Reference Antibody (daxdilimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-LILRA4 / ILT7 / CD85g Reference Antibody (daxdilimab) is 97%, determined by SEC-HPLC.



Immobilized PHA411 Human LILRA4 / ILT7 / CD85g, His Tag at 2 μg/mL can bind Daxdilimab, EC50= 0.05465 μg/mL.

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