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Anti-SLAMF7 / CS1 Reference Antibody (PDL241)

Recombinant Antibody
Catalog # APR10398

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q9NQ25
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	37421

Additional Information

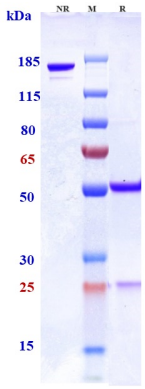
Target/Specificity	SLAMF7 / CS1
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

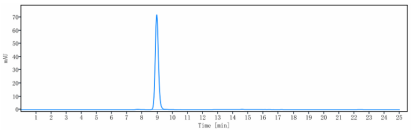
Name	SLAMF7
Synonyms	CS1
Function	Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. Isoform 1 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway (PubMed:11698418). Positively regulates NK cell functions by a mechanism dependent on phosphorylated SH2D1B. Downstream signaling implicates PLCG1, PLCG2 and PI3K (PubMed:16339536). In addition to heterotypic NK cells-target cells interactions also homotypic interactions between NK cells may contribute to activation. However, in the absence of SH2D1B, inhibits NK cell function. Also acts inhibitory in T-cells (By similarity). May play a role in lymphocyte adhesion (PubMed:11802771). In LPS-activated monocytes negatively regulates production of pro-inflammatory cytokines (PubMed:23695528).

Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Expressed in spleen, lymph node, peripheral blood leukocytes, bone marrow, small intestine, stomach, appendix, lung and trachea. Expression was detected in NK cells, activated B-cells, NK- cell line but not in promyelocytic, B-, or T-cell lines. Expressed in monocytes. Isoform 3 is expressed at much lower level than isoform 1

Images



Anti-SLAMF7 / CS1 Reference Antibody (PDL241) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-SLAMF7 / CS1 Reference Antibody (PDL241) is more than 95%, determined by SEC-HPLC.

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