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Anti-CD226 Reference Antibody (Lilly patent anti-CD226)

Catalog # APR11282

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q15762
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1-REM-LALEGA-ASPS
Calculated MW	38614

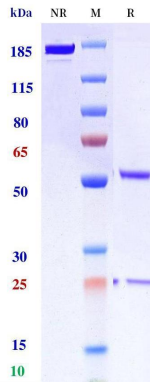
Additional Information

Target/Specificity	CD226
Expression system	CHO

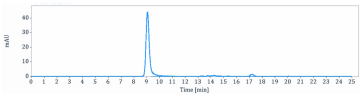
Protein Information

Name	CD226
Synonyms	DNAM1
Function	Cell surface receptor that plays an important role in the immune system, particularly in intercellular adhesion, lymphocyte signaling, cytotoxicity and lymphokine secretion mediated by cytotoxic T-cells and NK cells (PubMed:8673704, PubMed:9712030). Functions as a costimulatory receptor upon recognition of target cells, such as virus- infected or tumor cells. Upon binding to its ligands PVR/CD155 or NECTIN2/CD112 on target cells, promotes the cytotoxic activity of NK cells and CTLs, enhancing their ability to kill these cells (PubMed:26755705, PubMed:31253644, PubMed:30591568). Mechanistically, phosphorylation by Src kinases such as LYN of FYN, enables binding to adapter GRB2, leading to activation of VAV1, PI3K and PLCG1. Promotes also activation of kinases ERK and AKT, as well as calcium fluxes (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Note=Localizes to lipid rafts.
Tissue Location	Expressed by peripheral blood T-lymphocytes.

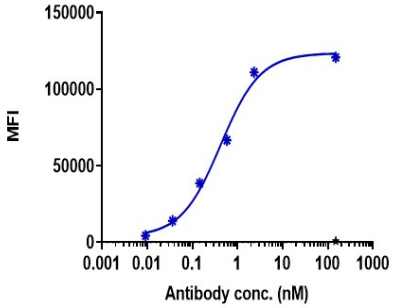
Images



on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-CD226 Reference Antibody (Lilly patent anti-CD226) is 96.77%, determined by SEC-HPLC.



HuCD226-HEK293 (A2) cell line were stained with Lilly patent anti-CD226 and negative control protein respectively, washed and then followed by PE and analyzed with FACS, with the EC50 is 0.424 nM.

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