

For Research Use Only

PTPRJ/CD148 Recombinant monoclonal antibody

Catalog Number: 87321-1-RR



Basic Information

Catalog Number: 87321-1-RR	GenBank Accession Number: NM_002843.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5795	CloneNo.: 252382F4
Source: Rabbit	UNIPROT ID: Q12913-1	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: protein tyrosine phosphatase, receptor type, J	
Immunogen Catalog Number: EG3492	Calculated MW: 146 kDa	
	Observed MW: 250-280 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, HeLa cells, K-562 cells, PC-3 cells
Species Specificity: human	

Background Information

PTPRJ, also named as CD148 and DEP1, belongs to the protein-tyrosine phosphatase family and Receptor class 3 subfamily. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPRJ may contribute to the mechanism of contact inhibition of cell growth. PTPRJ is present in all hematopoietic lineages, and was shown to negatively regulate T cell receptor signaling possibly through interfering with the phosphorylation of Phospholipase C Gamma 1 (PLCG1) and Linker for Activation of T Cells (LAT). It was also found to dephosphorylate PDGF beta receptor, and may be involved in UV-induced signal transduction.

Storage

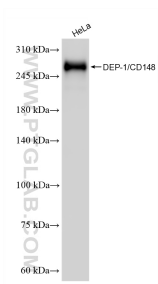
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

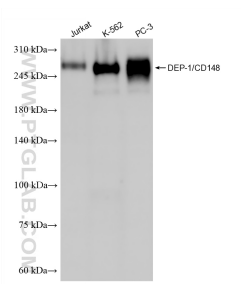
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

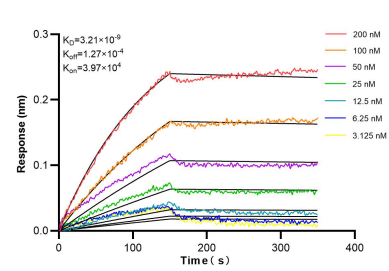
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 87321-1-RR (DEP-1/CD148 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 87321-1-RR (DEP-1/CD148 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87321-1-RR against Human PTPRJ were performed. The affinity constant is 3.21 nM.