

For Research Use Only

PTPRJ/CD148 Recombinant monoclonal antibody

Catalog Number: 87321-1-RR



Basic Information

Catalog Number:

87321-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3492

GenBank Accession Number:

NM_002843.4

GeneID (NCBI):

5795

UNIPROT ID:

Q12913-1

Full Name:

protein tyrosine phosphatase, receptor type, J

Calculated MW:

146 kDa

Observed MW:

250-280 kDa

Purification Method:

Protein A purification

CloneNo.:

252382F4

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, HeLa cells, K-562 cells, PC-3 cells

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

For technical support and original validation data for this product please contact:

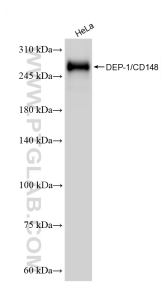
T: 4006900926

E: Proteintech-CN@ptglab.com

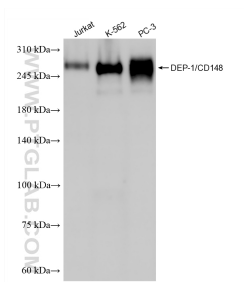
W: ptgcn.com

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

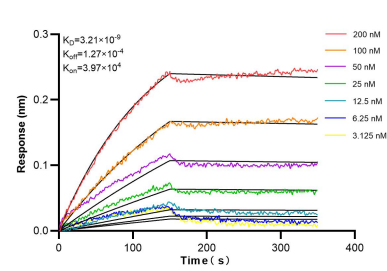
Selected Validation Data



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.