

For Research Use Only

PDLIM4 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84117-1-PBS



Basic Information

Catalog Number: 84117-1-PBS	GenBank Accession Number: BC016765	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8572	CloneNo.: 241401B3
Source: Rabbit	UNIPROT ID: P50479	
Isotype: IgG	Full Name: PDZ and LIM domain 4	
Immunogen Catalog Number: AG13424	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84117-1-PBS targets PDLIM4 as part of a matched antibody pair:

MP01021-1: 84117-4-PBS capture and 84117-1-PBS detection (validated in Cytometric bead array)

MP01021-2: 84117-2-PBS capture and 84117-1-PBS detection (validated in Cytometric bead array)

MP01021-3: 84117-3-PBS capture and 84117-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

PDLIM4, also known as RIL, is a member of the ALP/Enigma family. PDLIM4 contains one PDZ(DHR) domain and one LIM zinc-binding domain. The LIM zinc-binding domain interacts with the second and fourth PDZ domains of Fap-1, possibly resulting in the dephosphorylation of PDLIM4 (PMID: 21636573). PDLIM4 is involved in osteoblast development and function. The variation of the PDLIM4 locus may be an important determinant of osteoporosis (PMID:12908099).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

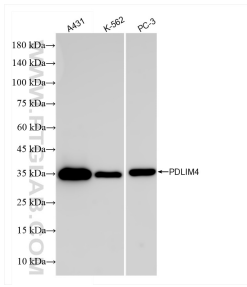
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

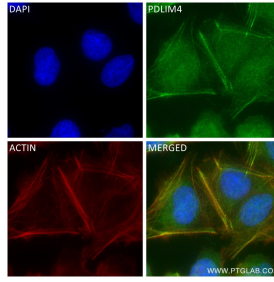
E: proteintech@ptglab.com
W: ptglab.com

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

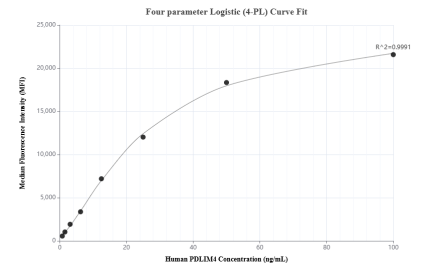
Selected Validation Data



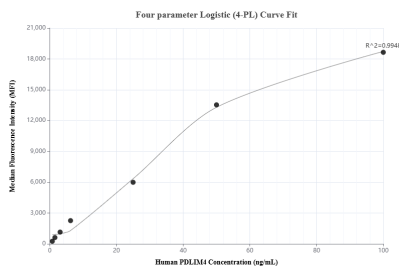
Various lysates were subjected to SDS PAGE followed by western blot with 84117-1-RR (PDLIM4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84117-1-PBS in a different storage buffer formulation.



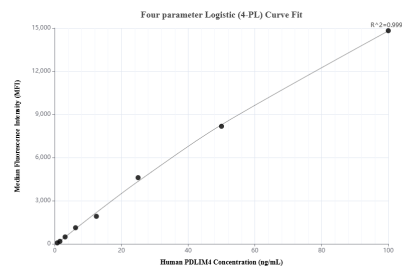
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PDLIM4 antibody (84117-1-RR, Clone: 241401B3) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84117-1-PBS in a different storage buffer formulation.



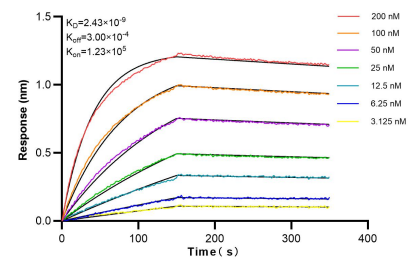
Cytometric bead array standard curve of MP01021-1, PDLIM4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84117-4-PBS. Detection antibody: 84117-1-PBS. Standard: Ag13424. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01021-2, PDLIM4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84117-2-PBS. Detection antibody: 84117-1-PBS. Standard: Ag13424. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01021-3, PDLIM4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84117-3-PBS. Detection antibody: 84117-1-PBS. Standard: Ag13424. Range: 0.781-100 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84117-1-RR against Human PDLIM4 were performed. The affinity constant is 2.43 nM.