

For Research Use Only

PTPN4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83695-1-PBS



Basic Information

Catalog Number: 83695-1-PBS	GenBank Accession Number: BC010674	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5775	CloneNo.: 240739A11
Source: Rabbit	UNIPROT ID: P29074	
Isotype: IgG	Full Name: protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	
Immunogen Catalog Number: AG1585	Calculated MW: 106 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, rat, pig

Product Information

83695-1-PBS targets PTPN4 as part of a matched antibody pair.

MP00680-1: 83695-1-PBS capture and 83695-2-PBS detection (validated in Cytometric bead array)

MP00680-2: 83695-1-PBS capture and 83695-3-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.

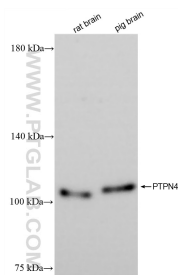
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

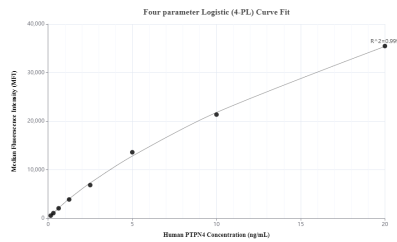
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

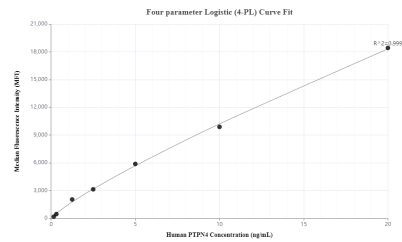
Selected Validation Data



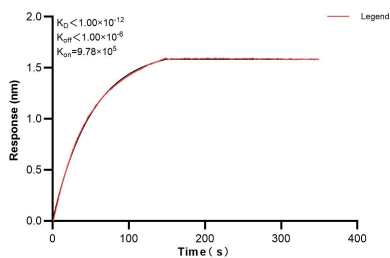
Various lysates were subjected to SDS PAGE followed by western blot with 83695-1-RR (PTPN4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83695-1-PBS in a different storage buffer formulation.



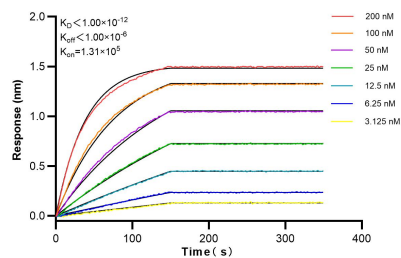
Cytometric bead array standard curve of MP00680-1, PTPN4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83695-1-PBS. Detection antibody: 83695-2-PBS. Standard: Ag1585. Range: 0.156-20 ng/mL.



Cytometric bead array standard curve of MP00680-2, PTPN4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83695-1-PBS. Detection antibody: 83695-3-PBS. Standard: Ag1585. Range: 0.156-20 ng/mL.



Bioluminescence resonance energy transfer (BLI) kinetic assay of 83695-1-PBS against Human PTPN4 was performed. The affinity constant is below 1 pM.



Bioluminescence resonance energy transfer (BLI) kinetic assays of 83695-1-RR against Human PTPN4 were performed. The affinity constant is below 1 pM.