

For Research Use Only

ACVRL1 Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 84421-2-PBS



Basic Information

Catalog Number: 84421-2-PBS	GenBank Accession Number: BC042637	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 94	CloneNo.: 241686D9
Source: Rabbit	UNIPROT ID: P37023	
Isotype: IgG	Full Name: activin A receptor type II-like 1	
	Calculated MW: 56 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

84421-2-PBS targets ACVRL1 as part of a matched antibody pair:

MP01306-1: 84421-2-PBS capture and 84421-1-PBS detection (validated in Cytometric bead array)

MP01306-2: 84421-1-PBS capture and 84421-2-PBS detection (validated in Sandwich ELISA)

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

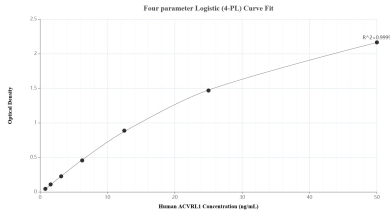
For technical support and original validation data for this product please contact:

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

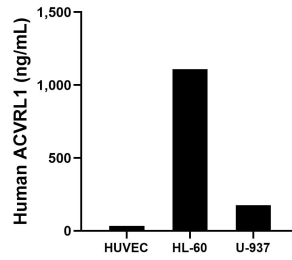
E: proteintech@ptglab.com
W: ptglab.com

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

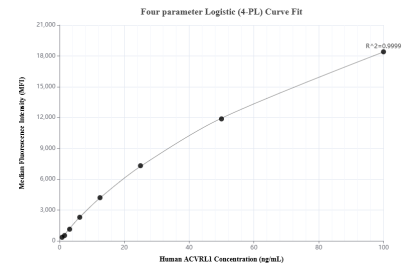
Selected Validation Data



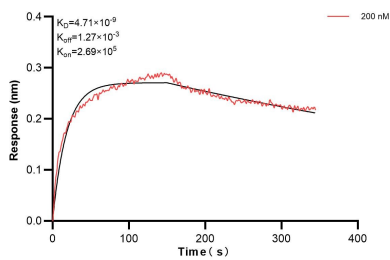
Sandwich ELISA standard curve of MP01306-2, Human ACVRL1 Recombinant Matched Antibody Pair - PBS only. 84421-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2132. 84421-2-PBS was HRP conjugated as the detection antibody. Range: 0.781-50 ng/mL



The mean ACVRL1 concentration was determined to be 34.48 ng/mL in HUVEC cell extract based on a 0.91 mg/mL extract load, 1108.74 ng/mL in HL-60 cell extract based on a 3.00 mg/mL extract load and 176.59 ng/mL in U-937 cell extract based on a 1.40 mg/mL extract load.



Cytometric bead array standard curve of MP01306-1, ACVRL1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84421-2-PBS. Detection antibody: 84421-1-PBS. Standard: Eg2132. Range: 0.781-100 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 84421-2-PBS against Human ACVRL1 was performed. The affinity constant is 4.71 nM.