

For Research Use Only

# ACVR1B Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number:83026-4-PBS



## Basic Information

<b>Catalog Number:</b> 83026-4-PBS	<b>GenBank Accession Number:</b> BC000254	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 91	<b>CloneNo.:</b> 230260H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P36896	
<b>Isotype:</b> IgG	<b>Full Name:</b> activin A receptor, type IB	
<b>Immunogen Catalog Number:</b> AG0129	<b>Calculated MW:</b> 57 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

83026-4-PBS targets ACVR1B as part of a matched antibody pair:

MP00098-1: 83026-4-PBS capture and 83026-3-PBS detection (validated in Cytometric bead array)

MP00098-2: 83026-1-PBS capture and 83026-4-PBS detection (validated in Cytometric bead array)

MP00098-3: 83026-4-PBS capture and 83026-2-PBS detection (validated in Cytometric bead array)

MP00098-4: 83026-4-PBS capture and 83026-7-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:**  
100% PBS pH 7.3

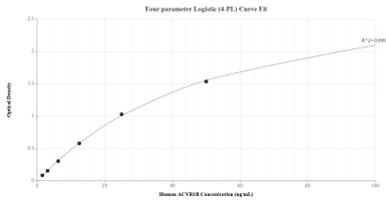
For technical support and original validation data for this product please contact:

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

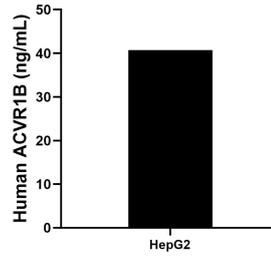
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

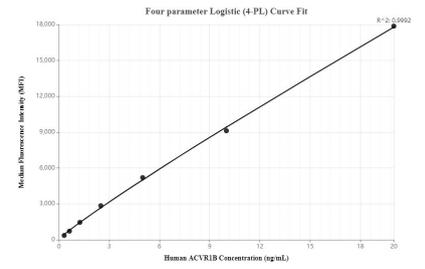
## Selected Validation Data



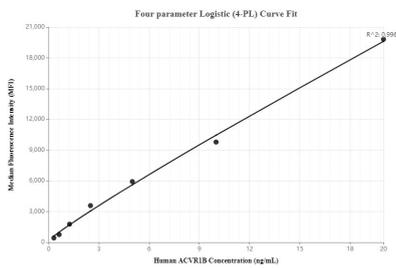
Sandwich ELISA standard curve of MP00098-4, Human ACVR1B Recombinant Matched Antibody Pair - PBS only. 83026-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag0129. 83026-7-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



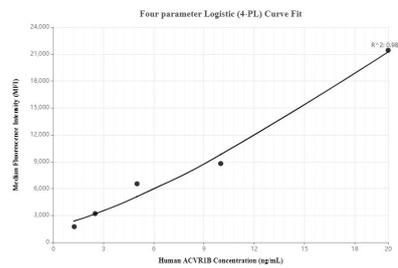
The mean ACVR1B concentration was determined to be 40.70 ng/mL in HepG2 cell extract based on a 1.00 mg/mL extract load.



Cytometric bead array standard curve of MP00098-1, ACVR1B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83026-4-PBS. Detection antibody: 83026-3-PBS. Standard: Ag0129. Range: 0.313-20 ng/mL



Cytometric bead array standard curve of MP00098-2, ACVR1B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83026-1-PBS. Detection antibody: 83026-4-PBS. Standard: Ag0129. Range: 0.313-20 ng/mL



Cytometric bead array standard curve of MP00098-3, ACVR1B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83026-4-PBS. Detection antibody: 83026-2-PBS. Standard: Ag0129. Range: 1.25-20 ng/mL