

For Research Use Only

# PDGF-D Recombinant monoclonal antibody, PBS Only

Catalog Number: 81718-2-PBS



## Basic Information

<b>Catalog Number:</b> 81718-2-PBS	<b>GenBank Accession Number:</b> NM_025208.4	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 80310	<b>CloneNo.:</b> 252468G6
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q9GZP0-1	
<b>Immunogen Catalog Number:</b> EG6204	<b>Full Name:</b> platelet derived growth factor D	
	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

Platelet-derived growth factor-D (PDGF-D) is the newest member of the PDGF family. It is secreted as a latent dimer that must undergo extracellular proteolytic removal of its N-terminal CUB domain before the growth-factor domain can activate the  $\beta$ -PDGFR. Once activated, PDGF-D drives proliferation, migration and survival of mesenchymal cells and promotes angiogenesis, wound healing and tissue remodeling. Clinically, PDGF-D is up-regulated in several cancers and in fibrotic diseases of the heart, kidney and lung, making it a potential therapeutic target.

## Storage

**Storage:**  
Store at  $-80^{\circ}\text{C}$ .  
**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

**Storage Buffer:**  
PBS only, pH7.3

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

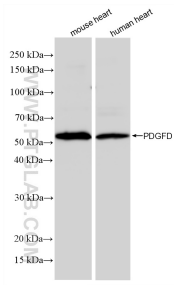
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

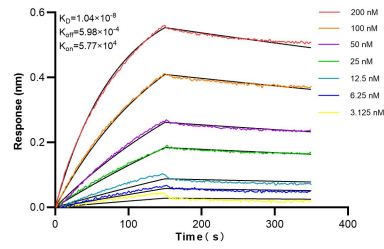
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81718-2-RR (PDGFD antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81718-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81718-2-RR against Human PDGF-D were performed. The affinity constant is 10.4 nM.