

For Research Use Only

PDGF-BB Recombinant antibody, PBS Only

Catalog Number: 83214-5-PBS



Basic Information

Catalog Number: 83214-5-PBS	GenBank Accession Number: BC029822	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5155	CloneNo.: 230486A7
Source: Rabbit	UNIPROT ID: P01127-1	
Isotype: IgG	Full Name: platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)	
Immunogen Catalog Number: AG25986	Calculated MW: 241 aa, 27 kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Background Information

Platelet-derived growth factor (PDGF) belongs to the family of growth factors consisting of four secreted extracellular ligands including PDGF-A, -B, -C and -D. These isoforms, PDGF-AA, PDGF-AB, PDGF-BB, PDGF-CC and PDGF-DD, act via two receptor tyrosine kinases, PDGF receptors alpha and beta. PDGF isoforms stimulate growth, survival and motility of mesenchymal cells and certain other cell type. They have important functions during embryonal development and in the control of tissue homeostasis in the adult. PDGF-BB is one of the most recently studied isoforms and it plays an important role in skeletal development. PDGF-BB stimulates cell-mediated collagen gel contraction. PDGF-BB modulates endothelial proliferation and angiogenesis in vitro via PDGF beta-receptors.

Storage

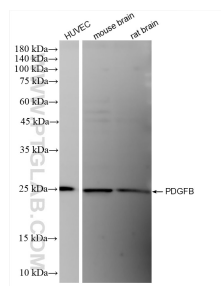
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

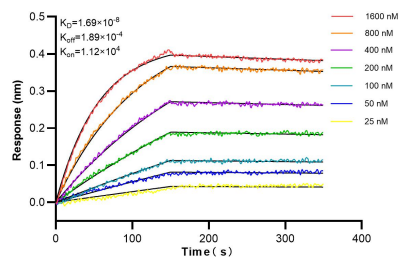
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83214-5-RR (PDGFB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83214-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83214-5-RR against Human PDGFB were performed. The affinity constant is 16.9 nM.