

For Research Use Only

PDGF-BB Recombinant antibody

Catalog Number: 83214-5-RR



Basic Information

Catalog Number:

83214-5-RR

Size:

100ul , Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25986

GenBank Accession Number:

BC029822

GeneID (NCBI):

5155

UNIPROT ID:

P01127-1

Full Name:

platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)

Calculated MW:

241 aa, 27 kDa

Observed MW:

27 kDa

Purification Method:

Protein A purification

CloneNo.:

230486A7

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HUVEC cells, A549 cells, mouse brain tissue, rat brain tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

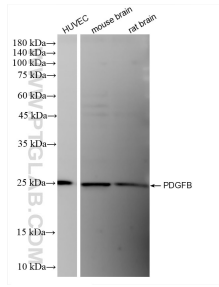
For technical support and original validation data for this product please contact:

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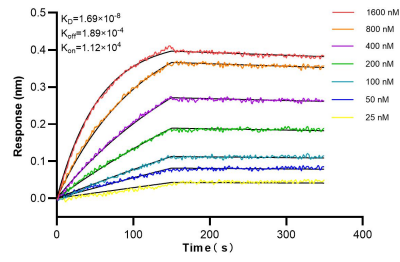
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W: ptglab.com

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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.



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