

À des fins de recherche uniquement

# Anticorps Monoclonal anti-NeutraKine® PDGF-BB



Numéro de catalogue: 69020-1-Ig **2 Publications**

## Informations de base

Numéro de catalogue: 69020-1-Ig	Numéro d'acquisition GenBank: 5155	Méthode de purification: Purification par protéine G
Taille: 100ug	Identification du gène (NCBI): platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)	CloneNo.: 4G11C7
Hôte: Mouse	Nom complet:	
Isotype: IgG1		
Immunogen Catalog Number: HZ-1308		

## Applications

**Applications testées:**  
Neutralization, ELISA

**Demandes citées:**  
Cell treatment, ELISA

**Spécificité de l'espèce:**  
Humain

**Espèces citées:**  
Humain

## Informations générales

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.

This antibody can be used to neutralize the bioactivity of PDGF-BB.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Yao Zhang	36356714	Free Radic Biol Med	ELISA
Yifan Wang	36549436	Metabolism	Cell treatment

## Stockage

**Stockage:**  
Les anticorps lyophilisés sont stables pendant 1 an à compter de la date de réception s'ils sont stockés à une température comprise entre -20 °C et -80 °C. Après reconstitution, nous recommandons que la solution soit stockée à (4 °C) pour une courte durée ou à une température comprise entre (-20 °C) et (-80 °C) pour une longue durée. Il convient d'éviter les cycles répétés de congélation-décongélation avec les produits reconstitués.

**Tampon de stockage:**  
PBS stérile.

L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

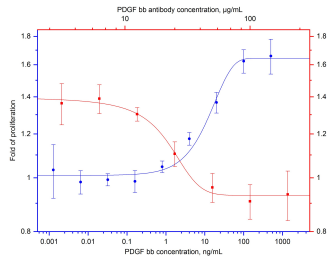
For technical support and original validation data for this product please contact:

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

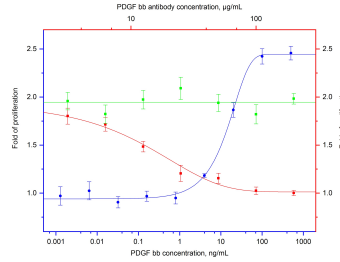
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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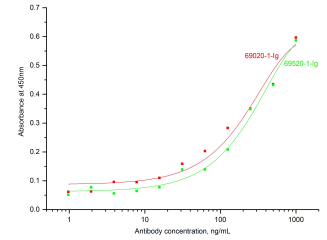
## Données de validation sélectionnées



Recombinant human PDGFbb (Cat.NO. HZ-1308) stimulates proliferation of BALB/3T3 (mouse fibroblast cell line) in a dose dependent manner (blue curve, refer to bottom X-left Y axis). The activity of human PDGFbb (20ng/mL HZ-1308) is neutralized by mouse anti-human PDGFbb monoclonal antibody 69020-1-Ig at serial dose (red curve, refer to top X-right Y axis). The ND50 is typically 20-50  $\mu\text{g}/\text{mL}$ .



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Indirect ELISA was carried out by coating recombinant Human PDGF bb (Cat.NO. HZ-1308) at 70 ng/well followed by blocking and adding serial diluted PDGF bb antibody 69020-1-Ig and 69520-1-Ig respectively. Signal was developed with TMB and stopped by H<sub>2</sub>SO<sub>4</sub>. Signal strength was measured by absorbance at 450 nm.