

Nur für Forschungszwecke

# NeutraKine® PDGF-BB Monoklonaler Antikörper



Katalog-Nr.: 69020-1-Ig **2 Publikationen**

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 69020-1-Ig	<b>GenBank-Zugangsnummer:</b> GeneID (NCBI): 5155	<b>Reinigungsmethode:</b> Protein-G-Reinigung
<b>Größe:</b> 100ug	<b>Vollständiger Name:</b> platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)	<b>CloneNo.:</b> 4G11C7
<b>Wirt:</b> Maus		
<b>Isotyp:</b> IgG1		
<b>Immunogen Katalognummer:</b> HZ-1308		

## Anwendungen

**Geprüfte Anwendungen:**  
Neutralization, ELISA

**In Publikationen genannte Anwendungen:**  
Cell treatment, ELISA

**Getestete Reaktivität:**  
Human

**Zitierte Arten:**  
Human

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

**Lagerungsbedingungen:**  
Lyophilisierte Antikörper sind bei Lagerung zwischen (-20°C) und (-80°C) 1 Jahr ab Empfangsdatum stabil. Bei Rekonstitution empfehlen wir, die Lösung kurzfristig bei (4°C) oder langfristig bei (-20°C) bis (-80°C). Rekonstituierte Produkte sollten nicht wiederholt eingefroren und wieder aufgetaut werden.

**Lagerungspuffer:**  
Sterile PBS.

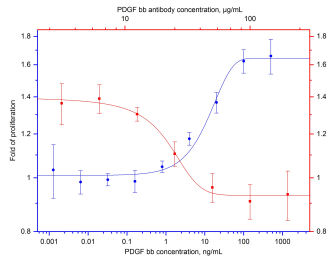
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

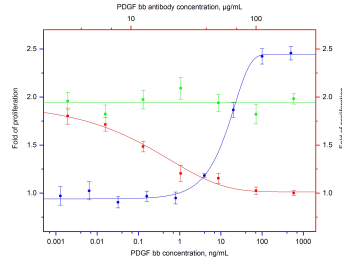
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

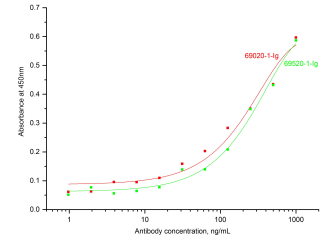
## Ausgewählte Validierungsdaten



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.