

Nur für Forschungszwecke

# NeutraControl PDGF-BB Monoklonaler Antikörper



Katalog-Nr.: 69520-1-Ig **1 Publikationen**

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 69520-1-Ig	<b>GenBank-Zugangsnummer:</b> GeneID (NCBI): 5155	<b>Reinigungsmethode:</b> Protein-A-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> 4E2C7
<b>Wirt:</b> Maus		
<b>Isotyp:</b> IgG2a		
<b>Immunogen Katalognummer:</b> HZ-1308		

## Anwendungen

**Geprüfte Anwendungen:**  
Non-Neutralization, ELISA

**In Publikationen genannte Anwendungen:**  
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 is a neutralizing control antibody for PDGF-BB, the immunogen is the same as Neutrakine 69020-1-Ig but could not neutralize human PDGF-BB.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yao Zhang	36356714	Free Radic Biol Med	ELISA

## 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.

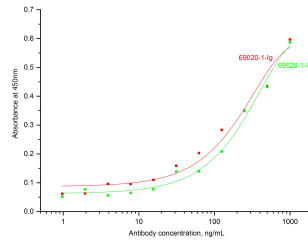
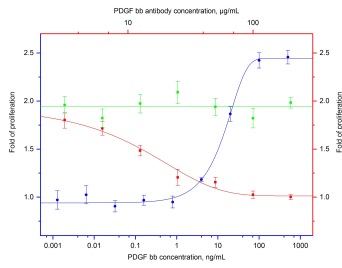
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 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

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## Ausgewählte Validierungsdaten



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



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 H2SO4. Signal strength was measured by absorbance at 450 nm.