

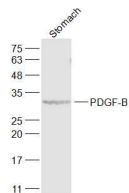
bs-0185R**[Primary Antibody]****Bioss**
ANTIBODIES

www.bioss.com.cn

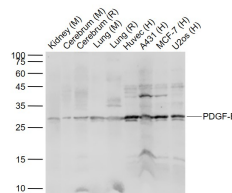
sales@bioss.com.cn

techsupport@bioss.com.cn

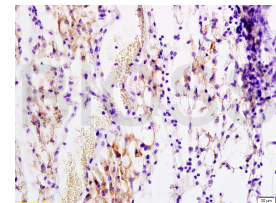
400-901-9800

PDGF-B Rabbit pAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5155**SWISS:** P01127**Target:** PDGF-B**Immunogen:** KLH conjugated synthetic peptide derived from human PDGF-B: 155-210/241.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. Binding of this growth factor to its affinity receptor elicits a variety of cellular responses. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heal the wound. [SUBUNIT] Antiparallel disulfide-linked dimer of nonidentical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. A-A and B-B, as well as A-B, dimers can bind to the PDGF receptor. Belongs to the PDGF/VEGF growth factor family.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat
(predicted: Rabbit, Sheep, Cow, Dog, Horse)**Predicted MW.:** 27 kDa**Subcellular Location:** Secreted ,Cytoplasm ,Nucleus**VALIDATION IMAGES**

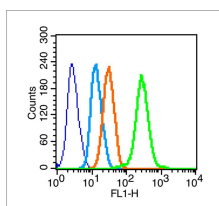
Sample: Stomach (Rat) Lysate at 40 ug Primary: Anti-PDGF-B (bs-0185R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD
Observed band size: 32 kD



Sample: Lane 1: Kidney (Mouse) Lysate at 40 ug
Lane 2: Cerebrum (Mouse) Lysate at 40 ug
Lane 3: Cerebrum (Rat) Lysate at 40 ug
Lane 4: Lung (Mouse) Lysate at 40 ug
Lane 5: Lung (Rat) Lysate at 40 ug
Lane 6: Huvec (Human) Cell Lysate at 30 ug
Lane 7: A431 (Human) Cell Lysate at 30 ug
Lane 8: MCF-7 (Human) Cell Lysate at 30 ug
Lane 9: U2os (Human) Cell Lysate at 30 ug
Primary: Anti-PDGF-B (bs-0185R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD
Observed band size: 28 kD



Tissue/cell: rat transplant lymphoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-PDGF-B Polyclonal Antibody, Unconjugated(bs-0071R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line):HeLa(blue). Primary Antibody (green line): Rabbit Anti-PDGF-B antibody (bs-0185R) Dilution: 1µg /10⁶ cells;

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): F(ab')₂ fragment goat anti-rabbit IgG-FITC
Dilution: 1µg /test. Protocol The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=18]** Lina Dong. et al. Oriented cellulose hydrogel: Directed tissue regeneration for reducing corneal leukoplakia and managing fungal corneal ulcers. *BIOACT MATER.* 2024 Nov;41:15 IF ;Rat. 39101028
- **[IF=14.5]** Minghao Du. et al. Umbilical Cord-Mesenchymal Stromal Cell-Derived Extracellular Vesicles Target the Liver to Improve Neurovascular Health in Type 2 Diabetes With Non-Alcoholic Fatty Liver Disease. *J EXTRACELL VESICLES.* 2025 Jul;14(7):e70125 WB,IHC ;Mouse,Human. 40620065
- **[IF=10.5]** Daping Xie. et al. A dual-modified glucomannan polysaccharide selectively sequesters growth factors for skin tissue repair. *JOURNAL OF CONTROLLED RELEASE.* 2025 Feb 5;380:185-198. IF ;Rat. 39894264
- **[IF=7.7]** Pilian Niu. et al. A polysaccharide from *Glycyrrhiza uralensis* attenuates myocardial fibrosis via modulating the MAPK/PI3K/AKT signaling pathway. *INT J BIOL MACROMOL.* 2024 Nov;138207 WB ;MOUSE. 39617235
- **[IF=5.62]** He, Ting, et al. "Tumor cell-secreted angiogenin induces angiogenic activity of endothelial cells by suppressing miR-542-3p." *Cancer Letters* (2015). WB ;. 26272182