bs-0196R **[Primary Antibody]**

PDGF-A Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5154 **SWISS:** P04085

Target: PDGF-A

Immunogen: KLH conjugated synthetic peptide derived from the missle of human PDGF-A: 125-170/211.

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: This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

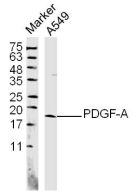
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (0.2µg/Test)

Reactivity: Human, Mouse (predicted: Rat, Rabbit)

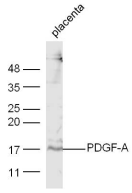
Predicted MW.: 24 kDa

Subcellular Location: Secreted

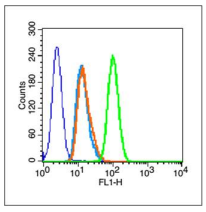
VALIDATION IMAGES



Sample: A549 (human)Cell Lysate at 40 ug Primary: Anti- PDGF-A (bs-0196R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kD Observed band size: 18 kD



Sample: placenta (Mouse) Lysate at 40 ug Primary: Anti-PDGF-A (bs-0196R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kD Observed band size: 17 kD



Blank control (blue line): A431 cells (blue). Primary Antibody (green line): Rabbit Anti-PDGF-A antibody (bs-0196R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. 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=16.036]** Valentina Back. et al. Inhibition of platelet aggregation by activation of platelet intermediate conductance Ca2+-activated potassium channels. J THROMB HAEMOST. 2022 Aug;: WB ;Human. 35867883

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

- **[IF=6.064]** Yu Hedong. et al. Improved repair of rabbit calvarial defects with hydroxyapatite/chitosan/polycaprolactone composite scaffold-engrafted EPCs and BMSCs. FRONT BIOENG BIOTECH. 2022 Aug;0:1275 WB ;Rabbit. 35992335
- **[IF=5.097]** Yan L et al. Exosomes produced from 3D cultures of umbilical cord mesenchymal stem cells in a hollow-fiber bioreactor show improved osteochondral regeneration activity. Cell Biology and Toxicology. WB ;Human. doi:10.1007/s10565-019-09504-5
- **[IF=4.075]** Wang et al. A Bayesian Framework for Generalized Linear Mixed Modeling Identifies New Candidate Loci for Late-Onset Alzheimer's Disease. (2018) Genetics. 209:51-64 IF ;Mouse. 29507048
- **[IF=2.77]** Lee, Si‐Hyung, et al. "Therapeutic efficacy of autologous platelet‐rich plasma and polydeoxyribonucleotide on female pattern hair loss." Wound Repair and Regeneration (2014). WB ;="". 25524027

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