

## Anti-PDGF beta/PDGFB Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9311-Fluoro594

### About PDGFB

Platelet-derived growth factor subunit B is a protein that in humans is encoded by the PDGFB gene. The protein encoded by this gene is a member of the platelet-derived growth factor family. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. This gene is mapped to 22q13.1. Growth factor plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. This gene plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA.

### Overview

Product Name	Anti-PDGF beta/PDGFB Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P01127

### Technical Details

Immunogen	E.coli-derived human PDGF beta recombinant protein (Position: S82-T190). Human PDGF beta shares 89% amino acid (aa) sequence identity with both mouse and rat PDGF beta.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

1. PubMed ID: 22977585, Hong Z, Hong H, Chen H, Wang Z, Hong D. Exp Ther Med. 2011 Sep;2(5):837-841. Epub 2011 Jun 14. Investigation Of The Protective Effect Of Erythropoietin On Spinal Cord Injury In Rats.

2. PubMed ID: 22842774, Zhao Yj, Wang H, Liu X, Sun M, Kazuhiro H. Mol Med Rep. 2012 Oct;6(4):739-44. Doi: 10.3892/Mmr.2012.1007. Epub 2012 Jul 26. Protective Effects Of Glutamine In A Rat Model Of Endotoxemia.

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