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## **PDGFR beta (1A2) Antibody**

**Subcategory:** Mouse Monoclonal Antibody

**Cat. No.:** 252898

**Unit:** 0.1 ml

**Description:**

PDGFR $\beta$  (Platelet-derived growth factor receptor, beta polypeptide) is a 190 kD cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. This family exist as several disulphide-bonded, dimeric isoforms (PDGF AA, PDGF AB, PDGF BB, PDGF CC and PDGF DD) that bind in a specific pattern to two closely related receptor tyrosine kinases, PDGF receptor  $\alpha$  (PDGFR $\alpha$ ) and PDGF receptor  $\beta$  (PDGFR $\beta$ ). These growth factors are mitogens for cells of mesenchymal origin. PDGFRB is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.

**Isotype:** Mouse IgG1

**Applications:** WB

**Species Reactivity:** H, M

**Format:** Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

**Alternate Names:** Platelet-derived growth factor receptor beta; PDGF-R-beta; PDGFR-beta;

**Accession No.:** P09619

**Antigen:** Purified recombinant fragment of human PDGFR $\beta$  expressed in E. coli.

**Application Notes:** WB: 1:500-1:2000

**Storage:** Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.