

Enogene

PDGFR β Mouse Monoclonal Antibody

E10-20358

Background: Platelet-derived growth factor receptor, beta polypeptide, also known as PDGFRB, PDGFR β or CD140B. It is a 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 α (PDGFR α) and PDGF receptor β (PDGFR β). 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.

Catalog Number: E10-20358

Amount: 100 μ g/100 μ l

Clone Number: 1A2

Species: Mouse IgG1

MW: 190kDa

Aliases: JTK12; PDGFR; CD140B; PDGFR1; PDGFRB

Entrez Gene: 5159

Immunogen: Purified recombinant fragment of human PDGFR β expressed in E. Coli.

Storage: Store at 4 $^{\circ}$ C for long term storage, store at

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human, Mouse

Tested Applications: WB,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB: 1/500 - 1/2000.ELISA: Propose dilution 1/10000.

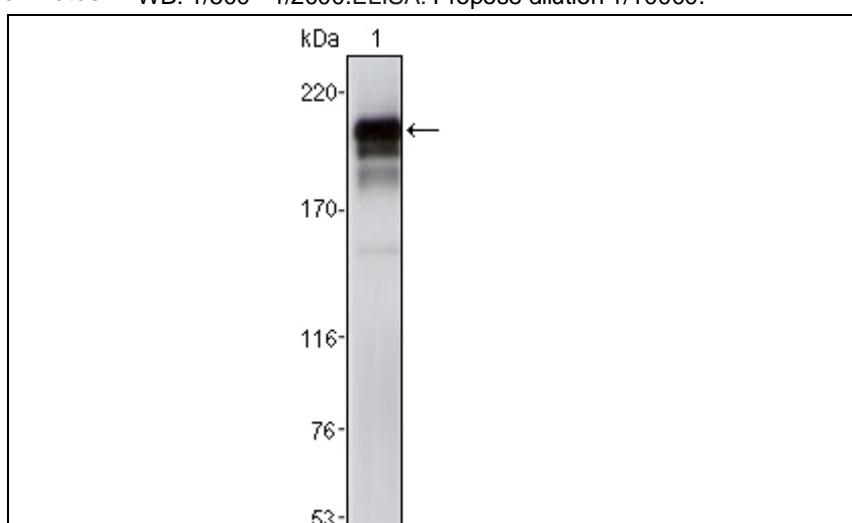


Figure 1: Western blot analysis using PDGFR β mouse mAb against NIH/3T3 cell lysate (1).

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