

PDGFRbeta Ab

Cat.#: BF0289	Concn.: 1mg/ml	Mol.Wt.: 190kDa
Size: 50ul,100ul,200ul	Source: Mouse	Clonality: Monoclonal

Application: ELISA 1/10000, WB 1/500 - 1/2000

Reactivity: Human,Mouse

Purification: Affinity-chromatography.

Specificity: PDGFRbeta Ab detects endogenous levels of total PDGFRbeta.

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

Uniprot: P09619

Description: Platelet-derived growth factor receptor, beta polypeptide, also known as PDGFRB, PDGFRbeta 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 beta (PDGFRbeta). 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.

Subcellular Location: Membrane.

Similarity: Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

Storage Condition and Buffer: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

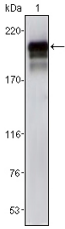


Figure 1: Western blot analysis using PDGFR β mouse mAb against NIH/3T3 cell lysate (1).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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