

Product datasheet for **AM06349SU-N**

PDGF Receptor beta (PDGFRB) Mouse Monoclonal Antibody [Clone ID: 1A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1A2
Applications:	WB
Recommended Dilution:	ELISA: 1/10000. Western Blot: 1/500 - 1/2000.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human PDGFR β expressed in E. Coli.
Specificity:	Recognizes CD140b / PDGFRB
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	190 kDa
Gene Name:	platelet derived growth factor receptor beta
Database Link:	Entrez Gene 5159 Human P09619



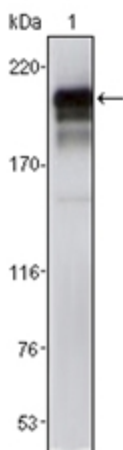
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Background:

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.

Synonyms:

PDGF-R-beta, PDGF Receptor beta

Product images:

Western blot analysis using PDGFRB antibody Cat.-No AM06349SU-N against NIH/3T3 cell lysate (1).