

# PDGFR Antibody (Clone # 275CT1)

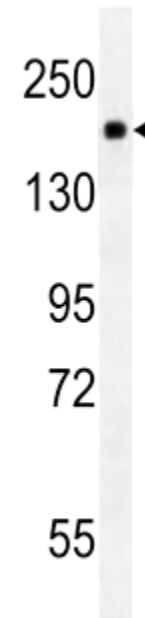
<b>ALTERNATE NAMES:</b>	PDGFRB; PDGFR; PDGFR1; Platelet-derived growth factor receptor beta; Beta platelet-derived growth factor receptor; Beta-type platelet-derived growth factor receptor; CD140 antigen-like family member B; Platelet-derived growth factor receptor 1;
<b>CATALOG #:</b>	6787-50
<b>AMOUNT:</b>	50 µl
<b>HOST/ISOTYPE:</b>	Mouse, IgG1, $\kappa$
<b>IMMUNOGEN:</b>	Purified His-tagged PDGFR protein (Fragment) was used to produce this monoclonal antibody.
<b>MOLECULAR WEIGHT:</b>	~123.968 kDa
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Crude ascites with 0.09% (W/V) sodium azide.
<b>SPECIES REACTIVITY:</b>	Mouse.
<b>STORAGE CONDITIONS:</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

**DESCRIPTION:** Platelet-derived growth factor (PDGF) refers to a family of disulphide-bonded dimeric isoforms that are important for growth and survival, and which function in several types of connective tissue cell. There are four members of the platelet-derived growth factor (PDGF) family: PDGF-A, PDGF-B, PDGF-C and PDGF-D (spinal cord-derived growth factor-B or iris-expressed growth factor). Their biological effects are mediated via two tyrosine kinase receptors, PDGFR- $\alpha$  and PDGFR- $\beta$ . PDGF-mediated signaling is critical for development of many organ systems. PDGF-D has a two-domain structure similar to PDGF-C and is secreted as a disulphide-linked homodimer, PDGF-DD. Upon limited proteolysis, PDGF-DD is activated and becomes a specific agonistic ligand for PDGFR- $\beta$ . PDGF-D is expressed in fibroblastic adventitial cells, cultured endothelial cells and in a variety of tumor cell lines.

**APPLICATION:** WB: 1:500 – 1:16000.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.

**FOR RESEARCH USE ONLY! Not to be used on humans.**



PDGFR Antibody western blot analysis in mouse NIH-3T3 cell line lysates (35 µg/lane).

## RELATED PRODUCTS:

- Active PDGFR beta (Cat # 7770-5)
- PDGF-AA, human recombinant (Cat # 4482-10, -50, -1000)
- PDGF-AA, murine recombinant (Cat # 4483-10, -1000)
- PDGF-AB, human recombinant (Cat # 4485-10, -50, -1000)
- PDGF-BB, human recombinant (Cat # 4488-10, -50, -1000)
- PDGF-BB, murine recombinant (Cat # 4489-10, -50, -1000)