

Product datasheet for **TA320443**

Pdgfrb Rat Monoclonal Antibody [Clone ID: APB5]

Product data:

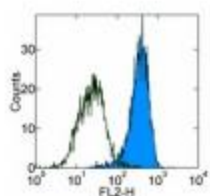
Product Type:	Primary Antibodies
Clone Name:	APB5
Applications:	FC
Recommended Dilution:	Flow, IHC, WB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	platelet derived growth factor receptor, beta polypeptide
Database Link:	NP_032835 Entrez Gene 18596 Mouse P05622

Background: The APB5 monoclonal antibody reacts with the mouse CD140b molecule, the β chain of the platelet derived growth factor receptor (PDGF receptor). PDGFR β is a receptor tyrosine kinase that forms dimers on the surface upon ligand binding and phosphorylates substrates. Dimers of PDGFR consist of either homodimers of α/α , β/β , or heterodimers of α/β and serve as a substrate for its kinase activity. CD140b is expressed by embryonic tissues and mesenchymal-derived cells of the adult mouse tissues. The PDGFR β chain is reported to play a significant role in formation of fibrous atherosclerotic lesions.

Synonyms: CD140b; JTK12; PDGF-R-beta; PDGFR; PDGFR1



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Product images:

Staining of NIH/3T3 cell line with 0.5 ug of Rat IgG2a kappa Isotype Control Purified (open histogram) or 0.5 ug of Anti-Mouse CD140b (PDGF Receptor b) Purified (filled histogram) followed by Anti-Rat IgG Biotin and Streptavidin PE. Total viable cells were used for analysis.