

Datasheet for ABIN2663032
anti-PDGFRB antibody (PE)



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2 Images

Overview

Quantity:	50 µg
Target:	PDGFRB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This PDGFRB antibody is conjugated to PE
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Clone:	APB5
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Target Details

Target:	PDGFRB
Alternative Name:	CD140b (PDGFRB Products)
Background:	Platelet-derived growth factor receptor-β (PDGFR-β), CD140b, is one of two receptors for platelet-derived growth factors (PDGFs) and binds to all isoforms of PDGFs. PDGFRβ is a receptor tyrosine kinase that forms homodimers or heterodimers on the surface upon ligand

Target Details

binding and phosphorylates substrates. PDGFRs consist of either homodimers of α/α , β/β , or heterodimers of α/β . PDGF receptors, α and β , are single glycoproteins with intracellular tyrosine kinase domain. Their ligand, PDGF, is a mitogen for connective tissue and glial cells. CD140b is expressed on embryonic tissues and mesenchymal-derived cells adult mice. PDGF plays a role in wound healing and acts as a chemoattractant for fibroblasts, smooth muscle cells, glial cells, monocytes, and neutrophils.

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Inositol Metabolic Process](#), [Glycosaminoglycan Metabolic Process](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.2 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

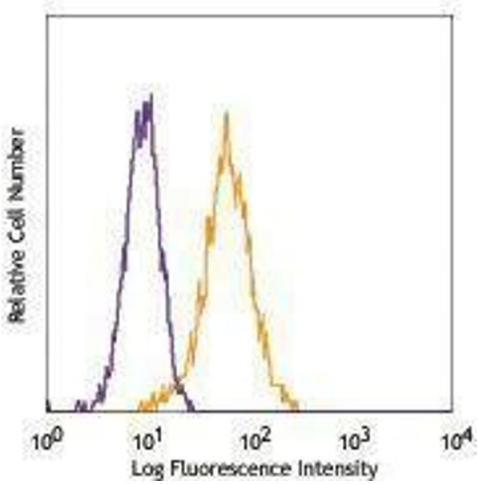
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

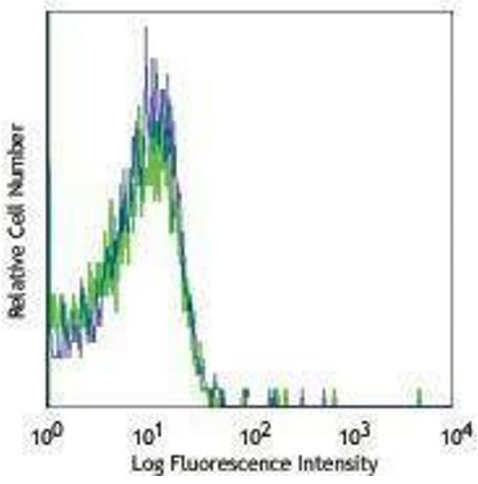
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.