Datasheet for ABIN2664225

anti-PDGFRB antibody

2 Images

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Overview

Quantity:	100 µg
Target:	PDGFRB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This PDGFRB antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Clone:	APB5
Isotype:	IgG2a kappa
Purification:	The antibody was purified by affinity chromatography.

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 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

Target Details

	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

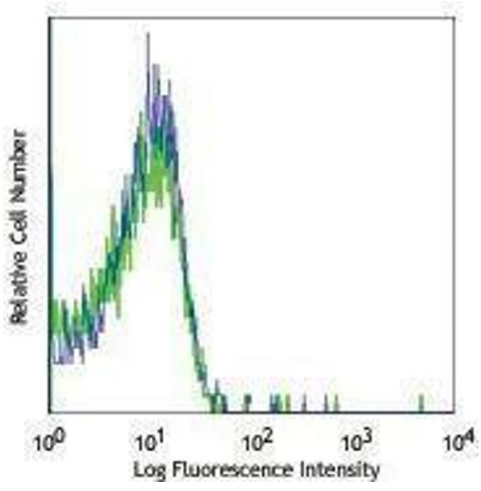
Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

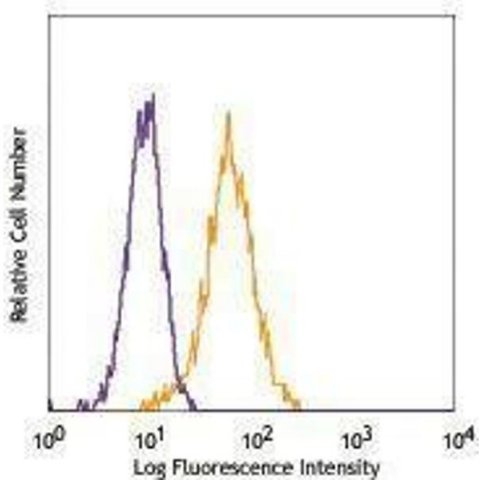
Concentration:	0.5 mg/mL
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.