

PE anti-mouse CD140b

Catalog # / Size: 136005 / 50 µg
136006 / 200 µg

Clone: APB5

Isotype: Rat IgG2a, κ

Immunogen: Mouse PDGFR-β-hlgG1 recombinant fusion protein

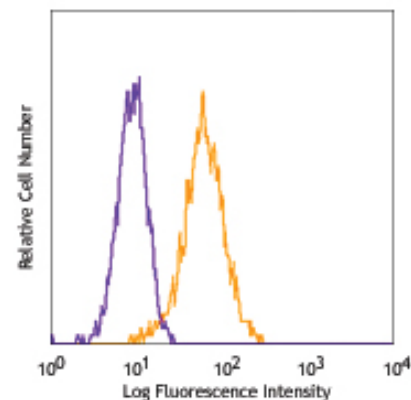
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Mouse fibroblast NIH/3T3 cells stained with APB5 PE

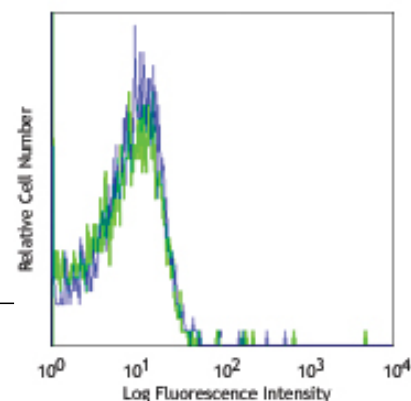
Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported (for the relevant formats) applications include: Western blotting and blocking function². The LEAF™ purified antibody is recommended for functional assays.

Application References: 1. Sano H, *et al.* 2001. *Circulation* 103:2955.
2. Sano H, *et al.* 2002. *Am. J. Pathol.* 161:135. (Block)



C57BL/6 splenocytes stained with APB5 PE

Description: 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 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.

Antigen References: 1. Soriano P, *et al.* 1994. *Genes Dev.* 8:1888
2. Takakura N, *et al.* 1996. *J Invest Dermatol.* 107:770
3. Yarden Y, *et al.* 1986. *Nature* 323:226

Related Products:	Product	Clone	Application
	PE Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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