

For Research Use Only

FcZero-rAb® PE Anti-Human PDGFR beta/CD140b Rabbit Recombinant Antibody

Catalog Number: PE-FcA98405-2



Basic Information

Catalog Number:

PE-FcA98405-2

Size:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3715

GenBank Accession Number:

BC032224

GeneID (NCBI):

5159

UNIPROT ID:

P09619

Full Name:

platelet-derived growth factor receptor, beta polypeptide

Calculated MW:

1106 aa, 124 kDa

Purification Method:

Protein A purification

CloneNo.:

242711A9

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : MG-63 cells, Transfected HEK-293T cells

Background Information

PDGFRs are receptor tyrosine kinases with an extracellular ligand-binding domain and a cytoplasmic enzymatic domain. The signaling activity of PDGFRs is tightly regulated by an autoinhibitory allosteric conformation, and requires ligand-induced receptor dimerization at the cell surface to alleviate autoinhibition and achieve physiological activity (PMID: 21664579). PDGFR beta (platelet-derived growth factor receptor-β)/CD140b is a constitutive marker expressed by ASCs in the angiogenic behavior of human retinal endothelial cells (HREs). CD140b (PDGFRβ) plays a crucial role in controlling the intrinsic proliferation (PMID: 30976657)

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

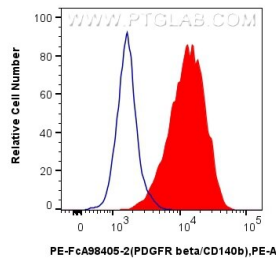
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

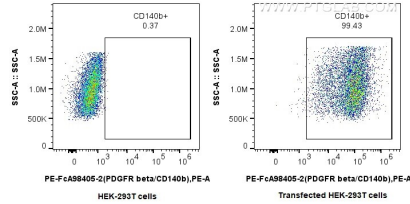
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W: ptglab.com

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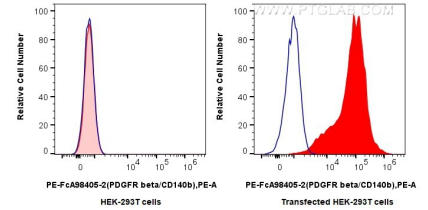
Selected Validation Data



1x10⁶ MG-63 cells were surface stained with 5 ul PE Anti-Human PDGFR beta/CD140b Rabbit RecAb (PE-FcA98405-2, Clone: 242711A9) (red) or FcZero-rAb® PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.



1x10⁶ HEK-293T cells or PDGFR beta/CD140b transfected HEK-293T cells were surface stained with 5 ul PE Anti-Human PDGFR beta/CD140b Rabbit RecAb (PE-FcA98405-2, Clone: 242711A9). Cells were not fixed.



1x10⁶ HEK-293T cells or PDGFR beta/CD140b transfected HEK-293T cells were surface stained with 5 ul PE Anti-Human PDGFR beta/CD140b Rabbit RecAb (PE-FcA98405-2, Clone: 242711A9) (red) or FcZero-rAb® PE Rabbit IgG Isotype Control Recombinant Antibody (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.