

For Research Use Only

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

Catalog Number: Biotin-FcA98405-2



Basic Information

Catalog Number:
Biotin-FcA98405-2

Concentration:
100ug, 500 ug/ml

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: 0.25 ug per 10⁶ cells in a 100 µl
suspension

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : 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 (PDGFR β) 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, pH7.3

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

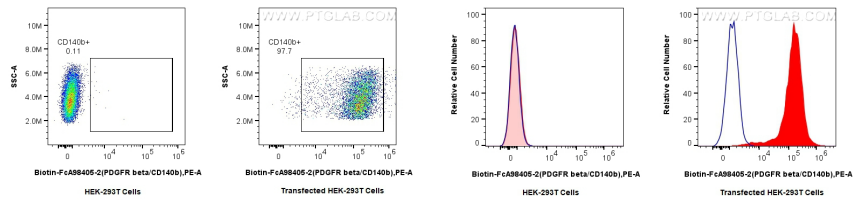
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Selected Validation Data



1x10⁶ HEK-293T cells or PDGFR beta/CD140b transfected HEK-293T cells were surface stained with 0.25 ug Biotin Anti-Human PDGFR beta/CD140b Rabbit RecAb (Biotin-FcA98405-2, Clone: 242711A9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.

1x10⁶ HEK-293T cells (left) or PDGFR beta/CD140b transfected HEK-293T cells (right) were surface stained with 0.25 ug Biotin Anti-Human PDGFR beta/CD140b Rabbit RecAb (Biotin-FcA98405-2, Clone:242711A9) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.