

For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Human PDGFR beta/CD140b Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98405-2



Basic Information

Catalog Number:
CL647-FcA98405-2

Concentration:
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 maxima
wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Positive Controls:

FC : MG-63 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 and 0.5% BSA, pH7.3

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

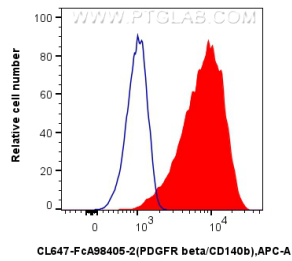
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 MG-63 cells were surface stained with 5 μ l CoraLite® Plus 647 Anti-Human PDGFR beta/CD140b Rabbit RecAb (CL647-FcA98405-2, Clone: 242711A9) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.