

For Research Use Only

PDGFR beta/CD140b Monoclonal antibody

Catalog Number: 60535-13-Ig



Basic Information

Catalog Number:

60535-13-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

EG0147

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

Observed MW:

160-180 kDa

Purification Method:

Protein A purification

CloneNo.:

4E2D5

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : SH-SY5Y cells, U2OS cells, SK-N-SH 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

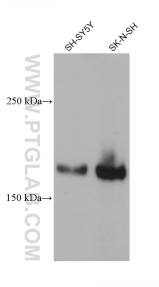
For technical support and original validation data for this product please contact:

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

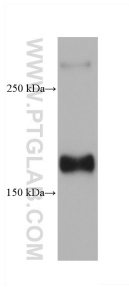
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60535-13-Ig (PDGFR beta/CD140b antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



U2OS cells were subjected to SDS PAGE followed by western blot with 60535-13-Ig (PDGFR beta/CD140b antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.