

For Research Use Only

PDGFR beta/CD140b Monoclonal antibody, PBS Only

Catalog Number: 60535-13-PBS



Basic Information

Catalog Number: 60535-13-PBS	GenBank Accession Number: BC032224	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5159	CloneNo.: 4E2D5
Source: Mouse	UNIPROT ID: P09619	
Isotype: IgG2a	Full Name: platelet-derived growth factor receptor, beta polypeptide	
Immunogen Catalog Number: EG0147	Calculated MW: 1106 aa, 124 kDa	
	Observed MW: 160-180 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

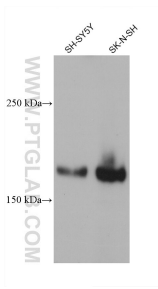
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

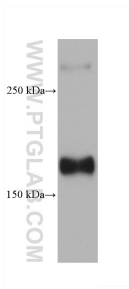
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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. This data was developed using the same antibody clone with 60535-13-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 60535-13-PBS in a different storage buffer formulation.