

For Research Use Only

# Anti-Mouse PDGFR beta/CD140b Rabbit Recombinant Antibody

Catalog Number: 98207-1-RR



## Basic Information

<b>Catalog Number:</b> 98207-1-RR	<b>GenBank Accession Number:</b> NM_008809.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 18596	<b>CloneNo.:</b> 241754F6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P05622-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> platelet derived growth factor receptor, beta polypeptide	
<b>Immunogen Catalog Number:</b> EG1533	<b>Calculated MW:</b> 123kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
mouse

## 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

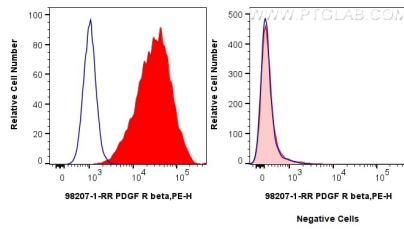
**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

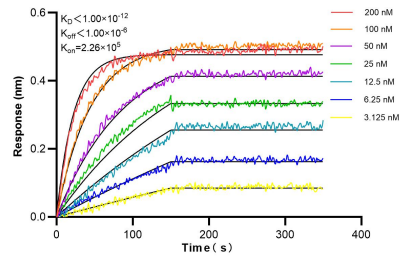
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## Selected Validation Data



1x10<sup>6</sup> NIH/3T3 cells (left) or mouse splenocytes (right) were surface stained with 0.25 ug Anti-Mouse PDGFR beta/CD140b Rabbit Recombinant Antibody (98207-1-RR, Clone: 241754F6) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98207-1-RR against Mouse PDGFR beta/CD140b were performed. The affinity constant is below 1 pM.