

For Research Use Only

# PDGFR alpha/CD140a Recombinant antibody, PBS Only (Capture)

Catalog Number: 84383-2-PBS



## Basic Information

Catalog Number:

84383-2-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC015186

GeneID (NCBI):

5156

UNIPROT ID:

P16234

Full Name:

platelet-derived growth factor receptor, alpha polypeptide

Calculated MW:

123 kDa

Observed MW:

170-190 kDa

Purification Method:

Protein A purification

CloneNo.:

241658G6

## Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

Platelet-derived growth factor receptor alpha (PDGFRA, also known as CD140a) is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. PDGFRA is implicated in the regulation of embryonic development, tumorigenesis, cell proliferation, survival, and chemotaxis. Mutations in the PDGFRA gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

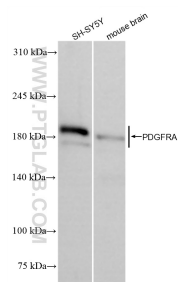
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

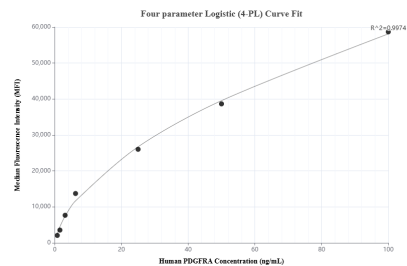
W: [ptgcn.com](http://ptgcn.com)

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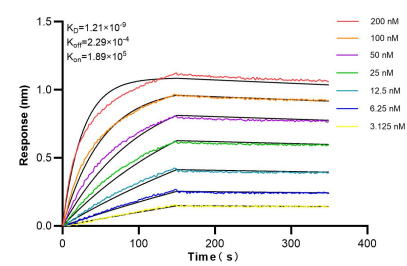
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84383-2-RR (PDGFRA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84383-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01256-2, PDGFR alpha/CD140a Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84383-2-PBS. Detection antibody: 84383-3-PBS. Standard: RP00003. Range: 0.781-100 ng/mL



Biolayer interferometry (BLI) kinetic assays of 84383-2-RR against Human PDGFR alpha/CD140a were performed. The affinity constant is 1.21 nM.