

For Research Use Only

# Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98027-1-PBS



## Basic Information

Catalog Number:

98027-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_010612.2

GeneID (NCBI):

16542

UNIPROT ID:

P35918-1

Full Name:

kinase insert domain protein receptor

Calculated MW:

150KD

Purification Method:

Protein A purification

CloneNo.:

240214F12

## Applications

Tested Applications:

FC

Species Specificity:

mouse

## Background Information

VEGFR2, also named as CD309, KDR and FLK1, is a receptor for VEGF or VEGFC. VEGFR2 which belongs to the protein kinase superfamily, has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions. VEGFR2 functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. Mutations of this gene are implicated in infantile capillary hemangiomas.

## 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:

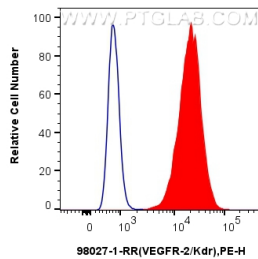
T: 4006900926

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

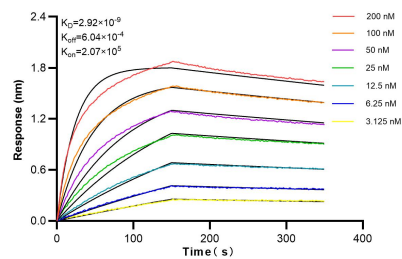
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  bEnd.3 cells were surface stained with 0.25  $\mu$ g Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody (98027-1-RR, Clone: 240214F12) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98027-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98027-1-RR against Mouse VEGFR-2/Kdr were performed. The affinity constant is 2.92 nM.