

For Research Use Only

# Anti-Human VEGFR2/CD309 Rabbit Recombinant Antibody



Catalog Number: 98009-1-RR

## Basic Information

<b>Catalog Number:</b> 98009-1-RR	<b>GenBank Accession Number:</b> NM_002253	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 3791	<b>CloneNo.:</b> 230238B11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35968-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> kinase insert domain receptor (a type III receptor tyrosine kinase)	
	<b>Calculated MW:</b> 152kd	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
Human

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide.

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

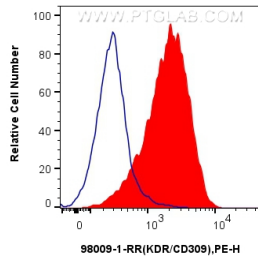
T: 4006900926

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

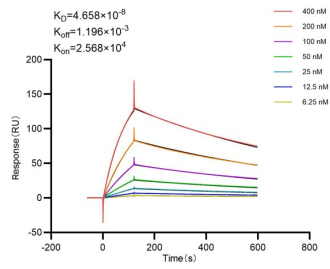
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  HUVEC cells were surface stained with 0.25  $\mu$ g Anti-Human VEGFR2/CD309 (98009-1-RR, Clone: 230238811) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (blue). Cells were not fixed.



Surface Plasmon Resonance (SPR) kinetic assays of 98009-1-RR against Human VEGFR2/CD309 were performed. The affinity constant is 46.58 nM.