

For Research Use Only

Anti-Human VEGFR2/CD309 Rabbit Recombinant Antibody



Catalog Number: 98009-1-RR

Basic Information

Catalog Number:

98009-1-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002253

GeneID (NCBI):

3791

UNIPROT ID:

P35968-1

Full Name:

kinase insert domain receptor (a type III receptor tyrosine kinase)

Calculated MW:

152kd

Purification Method:

Protein A purification

CloneNo.:

230238B11

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.

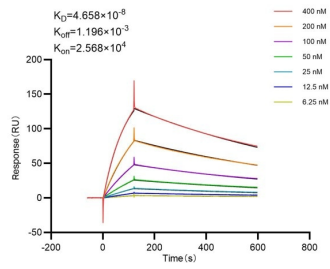
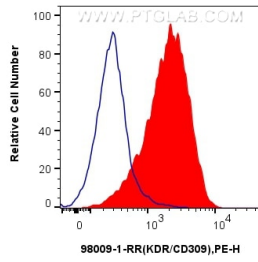
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10⁶ HUVEC cells were surface stained with 0.25 ug Anti-Human VEGFR2/CD309 (98009-1-RR, Clone: 230238811) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug 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.