

For Research Use Only

Anti-Human VEGFR2/CD309 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98009-1-PBS



Basic Information

Catalog Number:

98009-1-PBS

Concentration:

1mg, 2mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0218

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:

152 kDa

Purification Method:

Protein A purification

CloneNo.:

230238B11

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in 100 μ l suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : HUVEC cells,

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. Stable for one year after shipment.

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

Storage Buffer:

PBS only, pH7.3

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

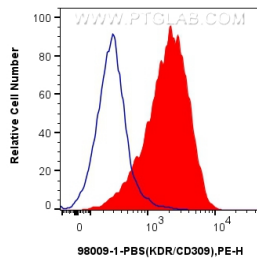
T: 4006900926

E: Proteintech-CN@ptglab.com

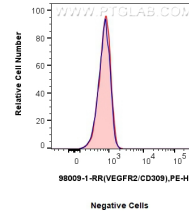
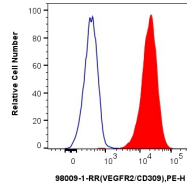
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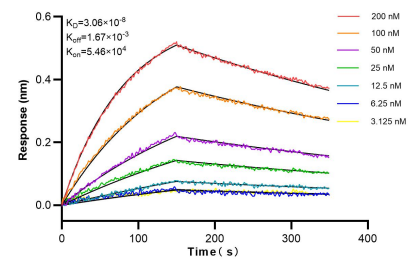
Selected Validation Data



1x10⁶ HUVEC cells were surface stained with 0.25 ug Anti-Human VEGFR2/CD309 (98009-1-PBS, Clone: 230238B11) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug rabbit IgG isotype control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (blue). Cells were not fixed.



1x10⁶ HUVEC cells (left) or HeLa cells (right) were surface stained with 0.25 ug Anti-Human VEGFR2/CD309 Rabbit RecAb (98009-1-RR, Clone: 230238B11) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98009-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98009-1-RR against Human VEGFR2/CD309 were performed. The affinity constant is 30.6 nM.