

For Research Use Only

Anti-Human VEGFR2/CD309 Rabbit Recombinant Antibody

Catalog Number: 98009-1-RR



Basic Information

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

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, pH7.3

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

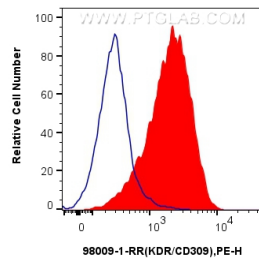
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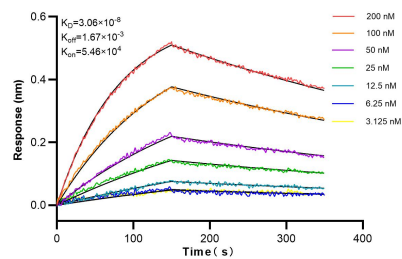
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Selected Validation Data



1x10⁶ HUVEC cells were surface stained with 0.25 ug Anti-Human VEGFR2/CD309 (98009-1-RR, Clone: 230238811) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (blue). Cells were not fixed.



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