

For Research Use Only

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

Catalog Number: 98027-2-PBS



Basic Information

Catalog Number: 98027-2-PBS	GenBank Accession Number: NM_010612.2	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 16542	CloneNo.: 240214D7
Source: Rabbit	UNIPROT ID: P35918-1	
Isotype: IgG	Full Name: kinase insert domain protein receptor	
	Calculated MW: 150KD	

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:

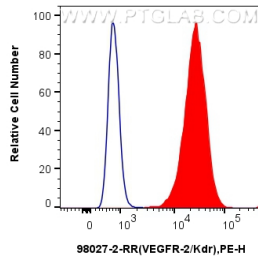
T: 4006900926

E: Proteintech-CN@ptglab.com

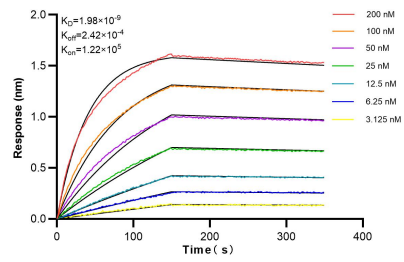
W: ptgcn.com

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Selected Validation Data



1×10^6 bEnd.3 cells were surface stained with 0.25 μ g Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody (98027-2-RR, Clone: 240214D7) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98027-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83376-7-RR against Mouse VEGFR-2/Kdr were performed. The affinity constant is 1.98 nM.