

For Research Use Only

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

Catalog Number: 98027-1-PBS



Basic Information

| | | |
|---------------------------------------|--|---|
| Catalog Number: 98027-1-PBS | GenBank Accession Number: NM_010612.2 | Purification Method: Protein A purification |
| Size: 1mg, 2 mg/ml | GeneID (NCBI): 16542 | CloneNo.: 240214F12 |
| 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:

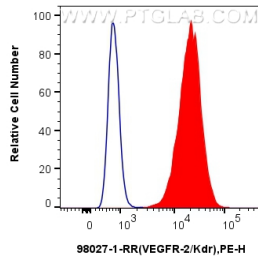
T: 4006900926

E: Proteintech-CN@ptglab.com

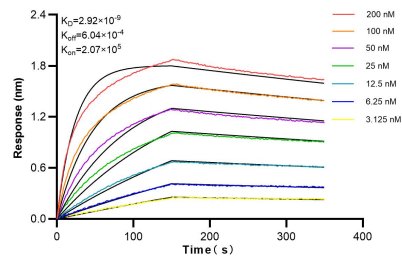
W: ptgcn.com

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Selected Validation Data



1x10⁶ bEnd.3 cells were surface stained with 0.25 ug Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody (98027-1-RR, Clone: 240214F12) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were not fixed. This data was developed using the same antibody clone with 98027-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98027-1-RR against Mouse VEGFR-2/Kdr were performed. The affinity constant is 2.92 nM.