

For Research Use Only

FcZero-rAb™ PE Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98027



Basic Information

Catalog Number: PE-FcA98027	GenBank Accession Number: NM_010612.2	Purification Method: Protein A purification
Concentration: 100ug, 200 ug/ml	GeneID (NCBI): 16542	CloneNo.: 240214D7
Source: Rabbit	Full Name: kinase insert domain protein receptor	Recommended Dilutions: FC: 0.13 ug per 10 ⁶ cells in 100 µl suspension
Isotype: IgG	Calculated MW: 150KD	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm

Applications

Tested Applications: FC	Positive Controls: FC : bEnd.3 cells,
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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

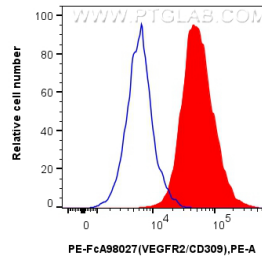
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Selected Validation Data



1x10⁶ bEnd.3 cells were surface stained with 0.25 ug PE Anti-Mouse VEGFR2/CD309 Rabbit RecAb (PE-FcA98027, Clone: 240214D7) (red) or 0.25 ug PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.