

For Research Use Only

FcZero-rAb® Biotin Anti-Human VEGFR2/CD309 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98009



Basic Information

Catalog Number: Biotin-FcA98009	GenBank Accession Number: NM_002253	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 3791	CloneNo.: 230238B11
Source: Rabbit	UNIPROT ID: P35968-1	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: kinase insert domain receptor (a type III receptor tyrosine kinase)	Excitation/Emission maxima wavelengths: -
Immunogen Catalog Number: EG0218	Calculated MW: 152 kDa	

Applications

Tested Applications: FC, ELISA	Positive Controls: FC : HUVEC cells,
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:

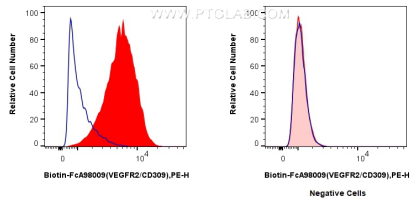
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Selected Validation Data



1x10⁶ HUVEC cells (left) or HeLa cells (right) were surface stained with 0.25 μ g Biotin Anti-Human VEGFR2/CD309 Rabbit RecAb (Biotin-FcA98009, Clone: 230238B11) (red) or FcZero-rAbTM Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.