

For Research Use Only

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

Catalog Number: Biotin-FcA98009



## Basic Information

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

## Applications

<b>Tested Applications:</b> FC, ELISA	<b>Positive Controls:</b> FC : HUVEC cells,
<b>Species Specificity:</b> 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.

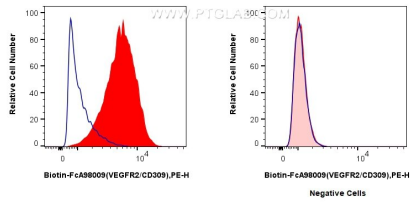
## Storage

**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:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



1x10<sup>6</sup> HUVEC cells (left) or HeLa cells (right) were surface stained with 0.25 ug Biotin Anti-Human VEGFR2/CD309 Rabbit RecAb (Biotin-FcA98009, Clone: 230238B11) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.