

For Research Use Only

CoraLite® Plus 647 Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody



Catalog Number: **CL647-98027**

Basic Information

Catalog Number: CL647-98027	GenBank Accession Number: NM_010612.2	Purification Method: Protein A purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 16542	CloneNo.: 240214F12
Source: Rabbit	UNIPROT ID: P35918-1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
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 2-8°C. Avoid exposure to light.
Storage Buffer:
PBS with 0.09% sodium azide.

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

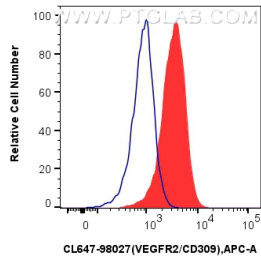
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ bEnd.3 cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody (CL647-98027, Clone:240214F12)(red), or Isotype Control (blue). Cells were not fixed.