

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Mouse VEGFR2/CD309 Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98027-2



Basic Information

Catalog Number:
CL488-FcA98027-2

Size:
100ug , 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0703

GenBank Accession Number:
NM_010612.2

GeneID (NCBI):
16542

UNIPROT ID:
P35918-1

Full Name:
kinase insert domain protein receptor

Calculated MW:
150KD

Purification Method:
Protein A purification

CloneNo.:
240214D7

Recommended Dilutions:
FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : bEnd.3 cells,

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

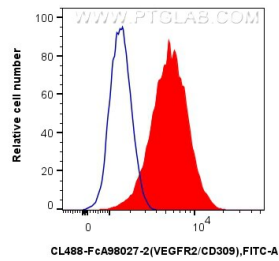
For technical support and original validation data for this product please contact:

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

Selected Validation Data



1×10^6 bEnd.3 cells were surface stained with 0.25 μ g CoraLite® Plus 488 Anti-Mouse VEGFR2/CD309 Rabbit RecAb (CL488-FcA98027-2, Clone: 240214D7) (red) or 0.25 μ g FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.