

For Research Use Only

CoraLite® Plus 488-conjugated VEGFR2/CD309 Recombinant monoclonal antibody

Catalog Number: CL488-83049-4



Basic Information

Catalog Number: CL488-83049-4	GenBank Accession Number: NM_002253	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3791	CloneNo.: 230238D7
Isotype: IgG	UNIPROT ID: P35968-1	Recommended Dilutions: IF-P: 1:50-1:500
Immunogen Catalog Number: EG0218	Full Name: kinase insert domain receptor (a type III receptor tyrosine kinase)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 152 kDa	
	Observed MW: 150 kDa, 230 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P: human placenta tissue,
Species Specificity: human	

Background Information

KDR, also named as VEGFR-2, FLK1 and CD309, is a receptor for VEGF or VEGFC. KDR 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. KDR 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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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

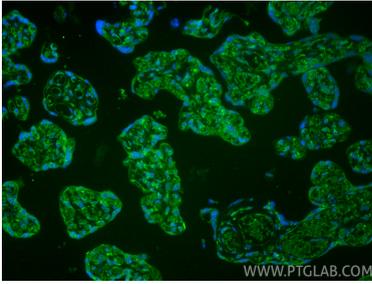
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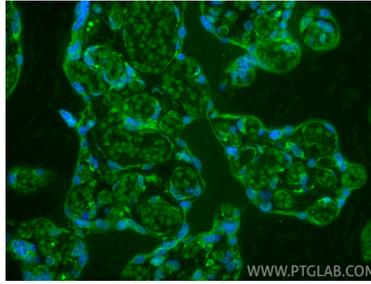
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using CoraLite® Plus 488 VEGFR2/CD309 antibody (CL488-83049-4, Clone: 230238D7) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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