For Research Use Only

VEGFR2/KDR Recombinant antibody

Catalog Number:83366-1-RR

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Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
83366-1-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_010612.2

GeneID (NCBI):
16542

UNIPROT ID:
P35918-1

Full Name:
kinase insert domain protein receptor

Calculated MW:
150KD

Observed MW:
150-190 kDa

Purification Method:
Protein A purification

CloneNo.:
240214D7

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse

Positive Controls:

WB : mouse lung tissue,

Background Information

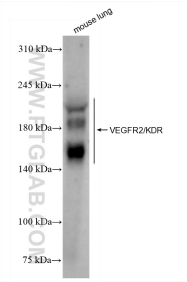
VEGFR2, also named CD309, KDR, and FLK1, is a receptor for VEGF or VEGFC. VEGFR2 which belongs to the protein kinase superfamily, has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In the 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.

Storage

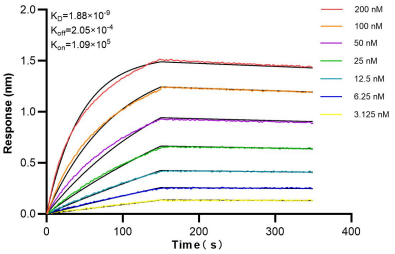
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 83366-1-RR (VEGFR2/KDR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83366-1-RR against Mouse VEGFR2/KDR were performed. The affinity constant is 1.88 nM.