

For Research Use Only

# VEGFR2/KDR Monoclonal antibody, PBS Only

Catalog Number: 67407-1-PBS



## Basic Information

Catalog Number:

67407-1-PBS

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24589

GenBank Accession Number:

BC131822

GeneID (NCBI):

3791

UNIPROT ID:

P35968

Full Name:

kinase insert domain receptor (a type III receptor tyrosine kinase)

Calculated MW:

1356 aa, 152 kDa

Observed MW:

230 kDa

Purification Method:

Protein G purification

CloneNo.:

1G2A8

## Applications

Tested Applications:

WB, ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

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W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 67407-1-Ig (VEGFR2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67407-1-PBS in a different storage buffer formulation.