SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Antibody Discovery - Human VEGFR2 / KDR (20-764) Membrane Protein, Partial, - Avi -His tag, [Biotin]

Cat. No.: **MP0517F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human VEGFR2 / KDR (20-764). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species
Human

Target Protein
VEGFR2 / KDR

Protein Length
ECD

Molecular Weight
The protein has a calculated MW of 85.9 kDa. The protein migrates as 120-130 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence
AA Ala 20 - Glu 764 (Accession # AAI31823).

Product Description

Activity
Yes

Application
SDS-PAGE, ELISA

Expression Systems
HEK293

Tag
Avi tag at the C-terminus, followed by a His tag.

Protein Format
Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Conjugation

Biotin

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.
The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target

Target Protein

VEGFR2 / KDR

Full Name

kinase insert domain receptor

Introduction

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

Alternative Names

FLK1; CD309; VEGFR; VEGFR2; vascular endothelial growth factor receptor 2; fetal liver kinase-1; kinase insert domain receptor (a type III receptor tyrosine kinase); protein-tyrosine kinase receptor Flk-1; soluble VEGFR2; tyrosine kinase growth factor receptor

Gene ID

3791

UniProt ID

P35968