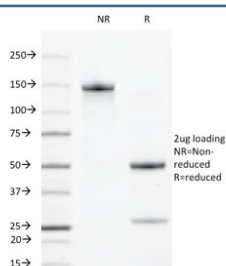


VEGFR2 Antibody / VEGF Receptor 2 / KDR [clone DC101] (V8272)

Catalog No.	Formulation	Size
V8272-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8272-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8272SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rat
Clonality	Monoclonal (rat origin)
Isotype	Rat IgG1, kappa
Clone Name	DC101
Purity	Protein G affinity chromatography
UniProt	P35918
Applications	Western Blot (Non-reducing) : 2-5ug/ml Blocks Binding Of VEGF To VEGF-R2 : Inhibits VEGF-induced Signalingformat) : Blocks Tumor Growth In Mice :
Limitations	This VEGFR2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free VEGFR2 antibody (clone DC101) as confirmation of integrity and purity.

Description

This MAb is specific to Mouse VEGFR2/FLK-1/CD309 and does not cross-react with FLK-2. VEGFR2 is a type I transmembrane glycoprotein. It is a member of the CSF-1/PDGF receptor family of type III tyrosine kinase receptors. Endothelial cells, embryonic tissues, and megakaryocytes mainly express VEGFR2. It plays an important role in the regulation of angiogenesis, vasculogenesis, and vascular permeability. The ligands of VEGFR2 include VEGF-A, VEGF-C, VEGF-D, and VEGF splice isoforms. Ligation of VEGFR2 with its ligands results in the receptor dimerization and auto-phosphorylation, stimulating endothelial cell proliferation and migration.

Application Notes

Optimal dilution of the VEGFR2 antibody should be determined by the researcher.

Immunogen

Recombinant full-length Mouse VEGFR2 protein was used as the immunogen for this VEGFR2 antibody.

Storage

Store the VEGFR2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).