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36-3687: Anti-VEGF-R2 / CD309 / Flk-1 / KDR3 Monoclonal Antibody(Clone: DC101)

Clonality :	Monoclonal
Clone Name :	DC101
Application :	WB
Reactivity :	Mouse
Gene :	Kdr (Mouse)
Gene ID :	16542
Uniprot ID :	35918
Alternative Name :	CD309; Fetal liver kinase 1 (FLK-1); KDR; Kinase insert domain receptor (a type III receptor tyrosine kinase); KRD1; Ly73; Protein tyrosine kinase receptor FLK1; Vascular endothelial growth factor receptor 2
Isotype :	Rat IgG1, kappa
Immunogen Information :	Recombinant full-length Mouse VEGFR2 protein

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Western Blot (Non-reducing) (2-5ug/ml); Blocks Binding of VEGF to VEGF-R2 (Order Ab without BSA & Azide); Inhibits VEGF-induced Signaling (Order Ab without BSA & Azide); Blocks Tumor Growth in mice (Order Ab without BSA & Azide); Neutralizing;

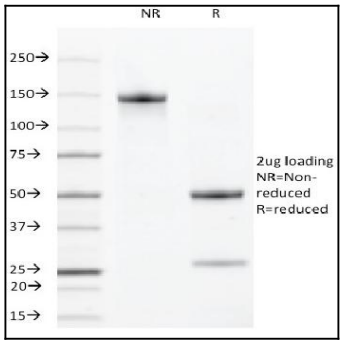

Fig. 1: SDS-PAGE Analysis Purified VEGFR2 Rat Monoclonal Antibody (DC101). Confirmation of Purity and Integrity of Antibody.