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

Clonality: Monoclonal DC101 Clone Name: Application: WB Reactivity: Mouse Gene: Kdr (Mouse) Gene ID: 16542 **Uniprot ID:** 35918

CD309; Fetal liver kinase 1 (FLK-1); KDR; Kinase insert domain receptor (a type III receptor

**Alternative Name:** 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

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with Content:

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is Storage condition:

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 VEGFinduced Signaling (Order Ab without BSA & Azide); Blocks Tumor Growth in mice (Order Ab without BSA & Azide); Neutralizing;

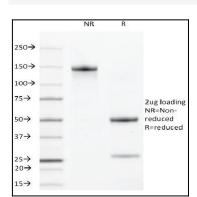


Fig. 1: SDS-PAGE Analysis Purified VEGFR2 Rat Monoclonal Antibody (DC101). Confirmation of Purity and Integrity of Antibody.