

## VEGF-R2 / CD309 / Flk-1 / KDR3 Antibody

Rat Monoclonal Antibody [Clone DC101]

Catalog No	Format	Size
MS16542-RTM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MS16542-RTM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MS16542-RTM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

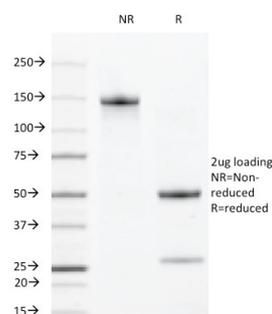
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	DC101
<b>Gene Name</b>	KDR
<b>Immunogen</b>	Recombinant full-length Mouse VEGFR2 protein
<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	180-190kDa
<b>Cellular Localization</b>	Cell junction, Cell membrane, Cytoplasm, Cytoplasmic vesicle, Early endosome, Endoplasmic reticulum, Nucleus, Secreted
<b>Species Reactivity</b>	Mouse
<b>Positive Control</b>	Mouse epidermoid, pancreatic or glioblastoma cells., renal cell carcinoma

\*Optimal dilution for a specific application should be determined.

### Product Images for VEGF-R2 / CD309 / Flk-1 / KDR3 Antibody



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

### Specificity & Comments

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. Ligand of VEGFR2 with its ligands results in the receptor dimerization and auto-phosphorylation, stimulating endothelial cell proliferation and migration.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/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 and Stability

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. No MSDS required.