

Anti-VEGF Receptor 2 Antibody [DC101] - BSA and Azide free (A254014)

Specifications:

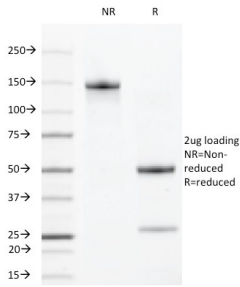
Name:	Anti-VEGF Receptor 2 Antibody [DC101] - BSA and Azide free
Description:	Rat monoclonal [DC101] antibody to VEGF Receptor 2.
Specificity:	This antibody is specific to Mouse VEGFR2/FLK-1/CD309 and does not cross-react with FLK-2. VEGFR2 is a type I transmembrane glycoprotein. It is a member of the 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.
Applications:	WB, Neutralization Studies
Recommended Dilutions:	WB (non-reducing): 2-5 µg/ml
Reactivity:	Mouse
Immunogen:	Recombinant full-length mouse VEGFR2 protein.
Host:	Rat
Clonality:	Monoclonal
Clone ID:	DC101
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This antibody blocks binding of VEGF to VEGF-R2, inhibits VEGF-induced signaling, and blocks tumor growth in mice. This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-VEGF Receptor 2 Antibody [DC101] (A250834).

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Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



SDS-PAGE analysis of Anti-VEGF Receptor 2 Antibody [DC101] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.