

***InVivoPro* Anti-Mouse VEGFR2(CD309) *in vivo* antibody, Clone DC101**

Cat #: IV0115

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Product Information

Isotype:	Rat IgG1 κ
Reactivity:	Mouse
Formulation:	PBS, pH 7.2, contains no stabilizers or preservatives
Concentration:	Lot specific, generally ≥ 5.0 mg/ml
Applications:	<i>In vivo</i> blocking of VEGFR2 signaling, Western blot
Recommended Isotype Control:	Rat IgG1 Isotype Control
Endotoxin:	≤ 1.0 EU/mg, by the LAL method
Purity:	99%
Sterility:	0.2 μ M filtered
Purification:	Protein A or G
Recommended Dose Range:	800 μ g per mouse; or 40 mg/kg. This range is based off the most recent publication data using the DC101 clone <i>in vivo</i> . Each investigator should determine their own optimal working dilution for specific applications.
Storage:	This antibody is stable for at least 2 months when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at -20°C or -80°C. Avoid repeated freeze thaw cycles.

Background

VEGFR-2 is a member of the tyrosine protein kinase family. Upon binding to its ligand VEGF, VEGFR-2 plays key roles in vascular development and permeability. VEGFR-2 is expressed on endothelial cells at high levels in adult heart, lung, kidney, brain, and skeletal muscle as well as other tissues at lower levels. DC101 binds to an extracellular, ligand-binding domain on the amino-terminal of VEGFR-2, thereby blocking VEGFR-2 signaling.

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.