



# Anti-VEGFA monoclonal antibody, clone nBcdbn 79445 (DCABH-9462)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to VEGF
<b>Antigen Description</b>	Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human VEGF.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Clone</b>	nBcdbn 79445
<b>Purification</b>	Protein G purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB, ICC/IF
<b>Positive Control</b>	In Western Blot, this antibody gave a positive signal in the following Whole Cell Lysates: HeLa, Jurkat, A431. In IF, this antibody gave a positive result in MCF7, HeLa, HEK293 and HepG2 cells (data not shown).
<b>Format</b>	Liquid

<b>Size</b>	100 µg
<b>Buffer</b>	PBS, pH 7.4, with 0.2% BSA
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">VEGFA vascular endothelial growth factor A [ Homo sapiens ]</a>
<b>Official Symbol</b>	VEGFA
<b>Synonyms</b>	VEGFA; vascular endothelial growth factor A; vascular endothelial growth factor , VEGF; VEGF A; VPF; vascular permeability factor; VEGF; MVCD1; MGC70609;
<b>Entrez Gene ID</b>	<a href="#">7422</a>
<b>Protein Refseq</b>	<a href="#">NP_001020537</a>
<b>UniProt ID</b>	<a href="#">P15692</a>
<b>Chromosome Location</b>	6p12
<b>Pathway</b>	Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endochondral Ossification, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem;
<b>Function</b>	cell surface binding; chemoattractant activity; cytokine activity; cytokine activity; extracellular matrix binding; fibronectin binding; growth factor activity; growth factor activity; heparin binding; heparin binding; platelet-derived growth factor recep