



## VEGF-A Monoclonal Antibody

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Reactivity       Human;Mouse;Rat;Pig;Rabbit         Applications       WB         Gene Name       VEGFA         Protein Name       Vascular endothelial growth factor A         Immunogen       The antiserum was produced against synthesized peptide derived from human VEGF-A. AA range:110-159         Specificity       VEGF-A Monoclonal Antibody detects endogenous levels of VEGF-A protein.         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Monoclonal, Mouse,IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       VEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor, VPF         Observed Band       21kD(monomer),42kD(dimer)         Cell Pathway       Secreted . VEGF121 is acidate and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated after secretion and is bound avidby by heparin and the extracellul matrix, although It may be released as a soluble form by heparin, heparinase or plasmin.         Tissue Specificity       Isoform VEGF185 and isoform VEGF121 are widely expressed. Isoform VEGF145	Catalog No	BYmab-15978
Applications       WB         Gene Name       VEGFA         Protein Name       Vascular endothelial growth factor A         Immunogen       The antiserum was produced against synthesized peptide derived from human VEGF-A. AA range: 110-159         Specificity       VEGF-A Monoclonal Antibody detects endogenous levels of VEGF-A protein.         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Monoclonal, Mouse,IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       VEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF         Observed Band       21kD(monomer),42kD(dimer)         Cell Pathway       Secreted . VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated most is freely secreted. VEGF189 is very basic, it is cell-associated into its forcely secreted. VEGF145 are ont widely expressed. higher level expression seen in plutary tumors as compared to the plutary gland.         Tissue Specificity       Isoform VEGF180, isoform VEGF165 and isoform VEGF1451 are widely expressed. higher level expression seen	Isotype	IgG
Gene Name         VEGFA           Protein Name         Vascular endothelial growth factor A           Immunogen         The antiserum was produced against synthesized peptide derived from human VEGF-A. AA range:110-159           Specificity         VEGF-A Monoclonal Antibody detects endogenous levels of VEGF-A protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse,IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         VEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF           Observed Band         21kD(monomer),42kD(dimer)           Cell Pathway         Secreted. VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin.binding properties and, although a significant proportion remains cell-associated dire secretion and is bound avidy by heparin and the extracellul matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.           Tissue Specificity         Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF140 are obvidey expressed. higher level expression seen in pluitary tumors as compared to the	Reactivity	Human;Mouse;Rat;Pig;Rabbit
Protein NameVascular endothelial growth factor AImmunogenThe antiserum was produced against synthesized peptide derived from human VEGF-A. AA range:110-159SpecificityVEGF-A Monoclonal Antibody detects endogenous levels of VEGF-A protein.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourceMonoclonal, Mouse,IgGPurificationThe antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsVEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPFObserved Band21kD(monomer),42kD(dimer)Cell PathwaySecreted . VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated more sits is freely secreted. VEGF189 is very basic; it is cell-associated after secretion and is bound avidly by heparin and the extracellut marin, although it may be released as a soluble form VEGF121 are widely expressed. Isoform VEGF165 and isoform VEGF121 are widely expressed. Soform VEGF165 and isoform VEGF121 are widely expressed. Soform VEGF165 and isoform VEGF121 are widely indiper level expression seen in pituitary tumors as compared to the pituitary gland.Functionfunction:Growth factor active in angiogenesis, vasculogenesis and endothelial coll proliferation, promotes cell migration, inhibits apoptosis, and induces permeabilization of blood vessels. Binds to the vEGFR1/Fit-1 and VEGFR2/Kdr receptors, heparan sulfate and he	Applications	WB
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VEGF-A. AA range:110-159SpecificityVEGF-A Monoclonal Antibody detects endogenous levels of VEGF-A protein.FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourceMonoclonal, Mouse, IgGPurificationThe antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsVEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPFObserved Band21kD(monomer),42kD(dimer)Cell PathwaySecreted . VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated after secretion and is bound avidly by heparin and the extracellul matrix, although it may be released as a soluble form by heparin and the extracellul matrix, although it may be released as a soluble form by heparin and the extracellul matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.Tissue SpecificityIsoform VEGF199, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF145 are not widely expressed. higher level expression seen in pluttary tumors as compared to the pluttary gland.Functionfunction:Growth factor active in angiogenesis, vasculogenesis and endothelial co growth. Induces endothelial cli profileration, promotes cell migration, inhibits apoptosis, and induces permeabilization of blood vessels. Binds to the VEGFR1/FiL-1 and VEGFR2/Kdr receptors, heparan sulfate and heparin. </th <th>Protein Name</th> <td>Vascular endothelial growth factor A</td>	Protein Name	Vascular endothelial growth factor A
FormulationLiquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.SourceMonoclonal, Mouse, IgGPurificationThe antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.DilutionWB 1:500-2000Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsVEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPFObserved Band21kD(monomer),42kD(dimer)Cell PathwaySecreted . VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a significant proportion remains cell-associated after secretion and is bound avidiby by heparin and the extracellul matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.Tissue SpecificityIsoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF121 are widely expressed. higher level expression seen in pituitary tumors as compared to the pituitary gland.Functionfunction:Growth factor active in angiogenesis, vasculogenesis and endothelial co growth. Induces endothelial cell proliferation, promotes cell migration, inhibits appolptosis, and induces perform VEGF12/Kdr receptors, heparan sulfate and heparin.	Immunogen	
Source       Monoclonal, Mouse,IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       VEGFA; VEGF; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF         Observed Band       21kD(monomer),42kD(dimer)         Cell Pathway       Secreted . VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a sjonfficant proportion remains cell-associated after secretion and is bound avidly by heparin and the extracellul matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.         Tissue Specificity       Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF121 are not widely expressed. Higher level expression seen in pituitary tumors as compared to the pituitary gland.         Function       function: Growth factor active in angiogenesis, vasculogenesis and endothelial cell proliferation on promotes cell migration, inhibits apotosis, and induces permeabilization of blood vessels. Binds to the VEGFR2/Kdr receptors, heparan sulfate and heparin.	Specificity	VEGF-A Monoclonal Antibody detects endogenous levels of VEGF-A protein.
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	Tissue Specificity	<ul> <li>cell-associated, most is freely secreted. VEGF189 is very basic, it is cell-associated after secretion and is bound avidly by heparin and the extracellular matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.</li> <li>Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF145 are not widely expressed. A higher level expression seen in pituitary tumors as compared to the pituitary</li> </ul>
Nanjing BYabscience technology Co.,Ltd		<ul> <li>cell-associated, most is freely secreted. VEGF189 is very basic, it is cell-associated after secretion and is bound avidly by heparin and the extracellular matrix, although it may be released as a soluble form by heparin, heparinase or plasmin.</li> <li>Isoform VEGF189, isoform VEGF165 and isoform VEGF121 are widely expressed. Isoform VEGF206 and isoform VEGF145 are not widely expressed. A higher level expression seen in pituitary tumors as compared to the pituitary gland.</li> <li>function: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</li> </ul>

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	Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to VEGFR2/Kdr but doesn't activate downstream signaling pathways, doesn't activate angiogenesis and inhibits tumor growth.,induction:Regulated by growth factors, cytokines, gonadotropins, nitric oxide, hypoxia, hypoglycemia and oncogenic mutations.,online information:VEGF entry,similarity:Belongs to the PDGF/VEGF growth factor family.,subcellular location:VEGF121 is acidic and freely secreted. VEGF165 is more basic, has heparin-binding properties and, although a signicant proportion remains cell-associated, most is f	
Background	This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation fro	
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