

**VEGF**  
Mouse Monoclonal antibody(Mab)  
Catalog # AD80312

## Specification

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### VEGF - Product info

Application	IHC-P
Primary Accession	<a href="#">P15692</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	43597

### VEGF - Additional info

Gene ID	7422
Gene Name	VEGFA
<b>Other Names</b>	
Vascular endothelial growth factor A, long form, L-VEGF, Vascular permeability factor, VPF, N-VEGF, VEGFA, VEGFA, VEGF	

**Storage**  
Maintain refrigerated at 2-8°C

Precautions	<b>VEGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.</b>
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### VEGF - Protein Information

**Name** VEGFA

<b>Synonyms</b>	<b>VEGF</b>
<b>Function</b>	<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. Binding to NRP1 receptor initiates a signaling pathway needed for motor neuron axon guidance and cell body</b>

**Cellular Location**

migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development (By similarity). Secreted Note=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 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 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

**Tissue Location****VEGF - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**VEGF - Images**