

VEGF

Mouse Monoclonal antibody(Mab)

Catalog # AD80312

Specification

VEGF - Product info

Application	IHC-P
Primary Accession	P15692
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	43597

VEGF - Additional info

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

Storage	This product is stored at 2-8 °C, please use it within the expiration date.
Precautions	VEGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VEGF - Protein Information

Name VEGFA

Synonyms	VEGF
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 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 migration, including for the caudal

Cellular Location**Tissue Location**

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

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