



## **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

**Dilution** IHC-P~~N/A

**Storage** 

Maintain refrigerated at 2-8°C

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 Grov

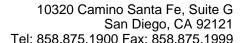
unction

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





Cellular Location

Tissue Location

tumor growth. Binding to NRP1 receptor initiates a signaling pathway needed for motor neuron axon guidance and cell body 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 signicant 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 Cytomety
- Cell Culture

**VEGF - Images**