



Swiss-Prot No.:	P15692
Altename:	VEGFA
Storage/Stability:	Store at -20°C. Avoid freeze / thaw cycles.
Immunogen:	A synthetic peptide of human VEGFA
Purification:	Affinity purified
Reactivity:	Human,Mouse,Rat
Other Names:	VPF; VEGF; MVCD1
Cellular localization:	Secreted
Relevance:	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 migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development .

Source:	Rabbit
Antibody type:	Polyclonal antibody
Isotype:	Rabbit IgG
Molecular Weight:	16-45kDa
Preservative:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Recommended Dilutions:	WB 1:500 - 1:2000; IF 1:50 - 1:200; IP 1:50 - 1:100(Optimal dilutions should be determined by the end user)