

Immunotag™ VEGF Antibody

Antibody Specification	
Catalog No.	ITA1304
Product Description	Immunotag™ VEGF Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	VEGF
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human VEGF
Specificity	VEGF Antibody detects endogenous levels of total VEGF
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	VEGFA
Accession No.	P15692
Alternate Names	Folliculostellate cell-derived growth factor; Glioma-derived endothelial cell mitogen; MGC70609; MVCD1; Vascular endothelial growth factor A; vascular endothelial growth factor A121; vascular endothelial growth factor A165; vascular endothelial growth factor; Vascular permeability factor; VEGF A; Vegf; VEGF-A; VEGF120; Vegfa; VEGFA_HUMAN; VPF;

Antibody Specification

Description	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 (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	28 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.