

Mouse VEGF ELISA Kit | VEGF elisa kit

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CATALOG #
AAA309900

REACTIVITY
Mouse

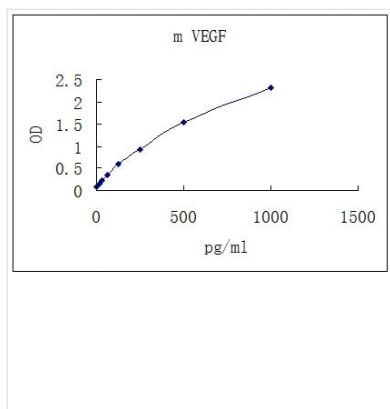
PRODUCT SYNONYMS

VEGF; Mouse VEGF ELISA KIT; Mouse VEGF; VEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse VEGF Ligand
Assay Type	Solid Phase Sandwich ELISA
Samples	Cell culture supernatant, serum, plasma (EDTA, citrate, heparin)
Detection Range	0.02-1.0 ng/mL
Sensitivity	7pg/mL
Assay Time	3 hour
Sample Volume	20 uL
Detection Method	Colorimetric
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

Representative standard curve for VEGF ELISA. VEGF was diluted in serial two-fold steps in Sample Diluent.

ADDITIONAL INFORMATION

Related Product Information for VEGF elisa kit	Vascular endothelial growth factor (VEGF or VEGF-A), also known as vascular permeability factor (VPF), is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adults (1-3). It is a member of the plateletderived growth factor family that is characterized by a cysteine knot structure formed by eight conserved cysteine residues (4). Mouse embryos expressing only the VEGF120 isoform do not survive to term and show defects in skeletogenesis (5). Mouse VEGF120 shares 98% aa sequence identity with corresponding regions of rat, 89% with canine, feline, equine and porcine, and 87% with human, ovine and bovine VEGF, respectively. VEGF binds the type I transmembrane receptor tyrosine kinases VEGF R1 (also called Flt 1) and VEGF R2 (Flk1/KDR) on endothelial cells (4). VEGF is required during embryogenesis to regulate the proliferation, migration, and survival of endothelial cells (3, 4). In adults, VEGF functions mainly in wound healing and the female reproductive cycle (3). Pathologically, it is involved in tumor angiogenesis and vascular leakage (6, 7). Circulating VEGF levels correlate with disease activity in autoimmune diseases such as rheumatoid arthritis, multiple sclerosis and systemic lupus erythematosus (8).VEGF is induced by hypoxia and cytokines such as IL-1, IL-6, IL-8, oncostatin M and TNF-a (3, 4, 9).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	661346603
NCBI GeneID	397157
Molecular Weight	22,368 Da
NCBI Official Full Name	VEGF, partial
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VEGF
NCBI Protein Information	vascular endothelial growth factor A
UniProt Protein Name	Vascular endothelial growth factor A
UniProt Gene Name	VEGFA
UniProt Synonym Gene Names	VEGF; VEGF-A; VPF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.