Mouse VEGF ELISA Kit | VEGFA elisa kit

Mouse VEGF ELISA Kit

CATALOG #	REACTIVITY	APPLICATIONS
AAA261684	**Mouse**	**ELISA**

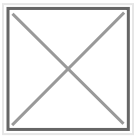
PRODUCT SYNONYMS

VEGF; Mouse VEGF ELISA Kit; Vascular endothelial growth factor A; VEGF-A; Vascular permeability factor; VPF; VEGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse VEGF ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse VEGF proteins within the range of 15.6 pg/ml - 1000 pg/ml.
Sequence Length	214
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates.
Sensitivity	7 pg/ml.
Applicable Applications for VEGFA elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGFA elisa kit	Principle of the Assay||The Mouse VEGF ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse VEGF in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Mouse VEGF coated on a 96-well plate. Standards and samples are pipetted into the wells and VEGF present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse VEGF antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of VEGF bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Vascular permeability factor/vascular endothelial growth factor (VPF/VEGF), a potent cytokine expressed by most malignant tumors, has critical roles in vasculogenesis and both physiological and pathological angiogenesis. VEGF produced by tumor cells potently stimulates endothelial cell proliferation and angiogenesis and plays a key role in the pathophysiology of several neoplasias.VEGF may also play a pivotal role in mediating the development and progression of diabetic retinopathy.VEGF, a major regulator of angiogenesis, binds to two receptor tyrosine kinases, KDR/Flk-1 and Flt-1. The VEGF gene is mapped by fluorescence in situ hybridization to chromosome 6p12.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1718156
NCBI GeneID	22339
UniProt Accession #	Q00731; O70123; Q66S31; Q6GT23; Q6WZL9
Molecular Weight	40,288 Da
NCBI Official Full Name	Vascular endothelial growth factor A
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	Vegfa
NCBI Official Synonym Symbols	Vpf; 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
UniProt Entry Name	VEGFA_MOUSE

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.

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Online datasheet: https://stage.aaabiotech.com/vegfa-mouse-elisa-kits/vegf/261684