

Mouse VEGFB ELISA Kit | VEGFB elisa kit

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CATALOG #
AAA263149

REACTIVITY
Mouse

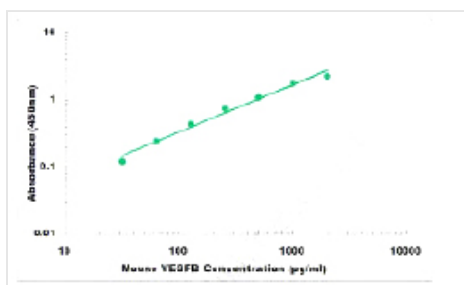
PRODUCT SYNONYMS

VEGFB; Mouse VEGFB ELISA Kit; VRF; Vascular endothelial growth factor B; VEGF-B; VEGF-related factor; VEGFB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse VEGFB ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse VEGFB proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	188
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<2 pg/ml
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 VEGFB elisa kit

Principle of the Assay: The Mouse VEGFB ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse VEGFB in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse VEGFB coated on a 96-well plate. Standards and samples are pipetted into the wells and VEGFB present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse VEGFB 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 VEGFB bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Vascular endothelial growth factor B also known as VEGF-B is a protein that, in humans, is encoded by the VEGF-B gene. VEGF-B is a growth factor that belongs to the vascular endothelial growth factor family, of which VEGF-A is the best-known member. In contrast to VEGF-A, VEGF-B plays a less pronounced role in the vascular system: Whereas VEGF-A is important for the formation of blood vessels, such as during development or in pathological conditions, VEGF-B seems to play a role only in the maintenance of newly formed blood vessels during pathological conditions. It also plays an important role on several types of neurons. And it is important for the protection of neurons in the retina and the cerebral cortex during stroke and of motoneurons during motor neuron diseases such as amyotrophic lateral sclerosis.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297632418
NCBI GeneID	22340
NCBI Accession #	NP_001172093.1
NCBI GenBank Nucleotide #	NM_001185164.1
UniProt Accession #	P49766; Q3UG04; Q5D0B1; Q64290
Molecular Weight	21,442 Da
NCBI Official Full Name	vascular endothelial growth factor B isoform Vegf-b167
NCBI Official Synonym Full Names	vascular endothelial growth factor B
NCBI Official Symbol	Vegfb
NCBI Official Synonym Symbols	Vrf; VEGF-B
NCBI Protein Information	vascular endothelial growth factor B
UniProt Protein Name	Vascular endothelial growth factor B
UniProt Gene Name	Vegfb
UniProt Synonym Gene Names	Vrf; VEGF-B; VRF
UniProt Entry Name	VEGFB_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/mouse-elisa-kits/vegfb/263149>