

Mouse VEGF-B PicoKine ELISA Kit | Vegfb elisa kit

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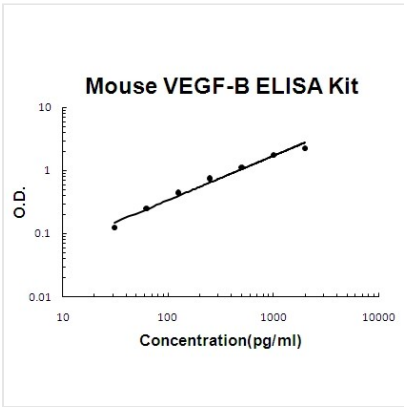
CATALOG # AAA46173	REACTIVITY Mouse
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PRODUCT SYNONYMS

VEGF-B PicoKine; Mouse VEGF-B PicoKine ELISA Kit; Vascular endothelial growth factor B; VEGF B; VEGF related factor; VEGF-B; VEGF-related factor; Vegfb; VEGFB_HUMAN; VEGFL; VRF; ; vascular endothelial growth factor B; Vegfb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse VEGF-B
Sequence Length	188
Assay Range	31.2pg/ml-2000pg/ml
Sensitivity	<2pg/ml
Sample	For quantitative detection of mouse VEGF-B in cell culture supernates, serum and plasma(heparin).
Immunogen	sf21,Q20-A207&Q20-R148
Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse VEGF-B standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin) to each empty well. We recommend that each mouse VEGF-B standard solution and each sample is measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 158 652 1309 197 763 1611 Standard deviation 6.95 33.25 74.61 14.58 54.94 124.05 CV(%) 4.4 5.1 5.7 7.4 7.2 7.7
Sample Data	Concentration(pg/ml) 0 31.2 62.5 125 250 500 1000 2000 O.D. 0.006 0.122 0.245 0.441 0.743 1.101 1.748 2.241
Anticoagulant	Heparin
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse VEGF-B PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Vegfb elisa kit	Principle of the assay: Mouse VEGF-B ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for VEGF-B has been precoated onto 96-well plates. Standards(sf21,Q20-A207 & Q20-R148) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for VEGF-B is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse VEGF-B amount of sample captured in plate. 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.
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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://www.aaabiotech.com/mouse-elisa-kits/vegf-b-picokine/46173>