

Human Vascular Endothelial Cell Growth Factor B (VEGF-B) ELISA Kit | VEGF-B elisa kit

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CATALOG #
AAA332004

REACTIVITY
Human

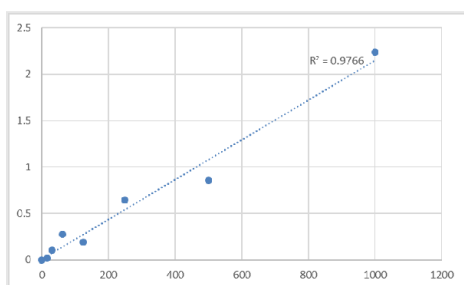
PRODUCT SYNONYMS

Vascular Endothelial Cell Growth Factor B (VEGF-B); Human Vascular Endothelial Cell Growth Factor B (VEGF-B) ELISA Kit; VEGFB; VEGFL; VRF; VEGF-B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Vascular Endothelial cell Growth Factor B (VEGF-B) ELISA Kit has high sensitivity and excellent specificity for detection of Human VEGFB. No significant cross-reactivity or interference between Human VEGFB and analogues was observed.
Sequence Length	188
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Vascular Endothelial cell Growth Factor B (VEGF-B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VEGF-B elisa kit	Description: This Human Vascular Endothelial cell Growth Factor B (VEGF-B) ELISA Kit employs a two-site sandwich ELISA to quantitate VEGFB in samples. An antibody specific for VEGFB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VEGFB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VEGFB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VEGFB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Vascular endothelial growth factor 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 only to play in role in the maintenance of newly formed blood vessels during pathological conditions. VEGF-B plays also an important role on several types of neurons. 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.VEGF-B exerts its effects via the FLT1 receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	344179103
NCBI GeneID	7423
NCBI Accession #	NP_001230662.1
NCBI GenBank Nucleotide #	NP_001230662.1
UniProt Accession #	P49765
NCBI Official Full Name	vascular endothelial growth factor B isoform VEGFB-167
NCBI Official Synonym Full Names	vascular endothelial growth factor B
NCBI Official Symbol	VEGFB
NCBI Official Synonym Symbols	VRF; VEGFL
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_HUMAN

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/human-elisa-kits/vascular-endothelial-cell-growth-factor-b-vegfb/332004>