

Human Vascular Endothelial Growth Factor A (VEGFA) ELISA Kit | VEGFA elisa kit

Human Vascular Endothelial Growth Factor A (VEGFA) Mini Samples ELISA Kit

CATALOG # AAA188678	REACTIVITY Human	APPLICATIONS ELISA
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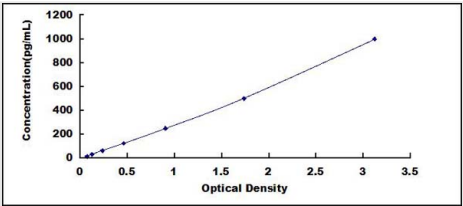
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor A (VEGFA); Human Vascular Endothelial Growth Factor A (VEGFA) Mini Samples ELISA Kit; Vascular Endothelial Growth Factor A; VEGF; VEGF-A; VPF; Vascular Endothelial Cell Growth Factor A; Vascular Permeability Factor; VEGFA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Vascular Endothelial Growth Factor A (VEGFA). No significant cross-reactivity or interference between Mini Samples Vascular Endothelial Growth Factor A (VEGFA) and analogues was observed.
Sequence Length	171
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 5.8pg/mL
Applicable Applications for VEGFA elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Vascular Endothelial Growth Factor A (VEGFA) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Vascular Endothelial Growth Factor A (VEGFA) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Vascular Endothelial Growth Factor A (VEGFA). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Vascular Endothelial Growth Factor A (VEGFA). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mini Samples Vascular Endothelial Growth Factor A (VEGFA), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Mini Samples Vascular Endothelial Growth Factor A (VEGFA) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001191313.1
NCBI GenBank Nucleotide #	NP_001191313.1
UniProt Accession #	P15692
NCBI Official Full Name	vascular endothelial growth factor A isoform q
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VPF; VEGF; MVCD1
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_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://www.aaabiotech.com/human-elisa-kits/vascular-endothelial-growth-factor-a-vegfa/188678>