

Human Vascular Endothelial Growth Factor ELISA Kit | VEGF elisa kit

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CATALOG #
AAA86030

REACTIVITY
Human

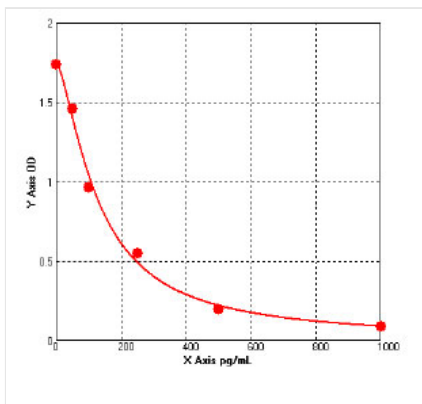
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor; Human Vascular Endothelial Growth Factor ELISA Kit; VEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of VEGF. No significant cross-reactivity or interference between VEGF and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VEGF and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGF elisa kit	Principle of the Assay: VEGF ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-VEGF antibody and an VEGF-HRP conjugate. The assay sample and buffer are incubated together with VEGF-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VEGF concentration since VEGF from samples and VEGF-HRP conjugate compete for the anti-VEGF antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGF from the sample, fewer sites are left to bind VEGF-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGF concentration in each sample is interpolated from this standard curve. Intended Uses: This VEGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human VEGF. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for VEGF elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	181971
NCBI GeneID	7422
Molecular Weight	34,406 Da
NCBI Official Full Name	vascular endothelial growth factor
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; vascular permeability factor
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://stage.aaabiotech.com/vegf-human-elisa-kits/vascular-endothelial-growth-factor/86030>