

Guinea Pig Vascular Endothelial Growth Factor ELISA Kit | VEGF elisa kit

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CATALOG #
AAA84543

REACTIVITY
Guinea Pig

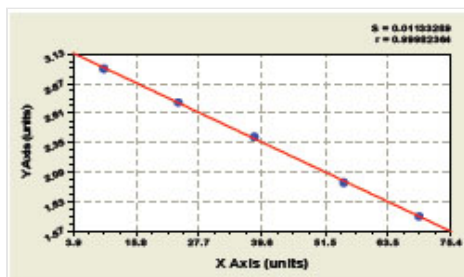
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor; Guinea pig Vascular Endothelial Growth Factor ELISA Kit; VEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This VEGF ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig VEGF. This ELISA kit for research use only, not for therapeutic applications!
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 monoclonal 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.

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-guinea-pig-pig-elisa-kits/vascular-endothelial-growth-factor/84543>