

Rat Vascular Endothelial Growth Factor A ELISA Kit | VEGF-A elisa kit

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CATALOG #
AAA95482

REACTIVITY
Rat

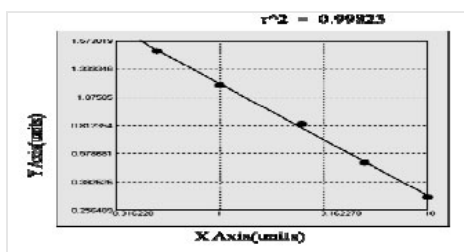
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor A; Rat Vascular Endothelial Growth Factor A ELISA Kit; VEGF-A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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-A elisa kit

Intended Uses: This VEGF-A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat VEGF-A. This ELISA kit for research use only!

Principle of the Assay: VEGF-A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VEGF-A antibody and an VEGF-A-HRP conjugate. The assay sample and buffer are incubated together with VEGF-A-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-A concentration since VEGF-A from samples and VEGF-A-HRP conjugate compete for the anti-VEGF-A antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGF-A from the sample, fewer sites are left to bind VEGF-A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGF-A concentration in each sample is interpolated from this standard curve.

Product Categories/Family for VEGF-A elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	68341933
NCBI GeneID	443103
NCBI Accession #	NP_001020281.1
NCBI GenBank Nucleotide #	NM_001025110.1
Molecular Weight	17,247 Da
NCBI Official Full Name	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VEGF
NCBI Protein Information	vascular endothelial growth factor A; VPF; VEGF-A; angiogenic factor; 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_SHEEP

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/vegfa-rat-elisa-kits/vascular-endothelial-growth-factor-a/95482>