

Rat Vascular Endothelial Growth Factor ELISA Kit | VEGF elisa kit

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CATALOG #
AAA16218

REACTIVITY
Rat

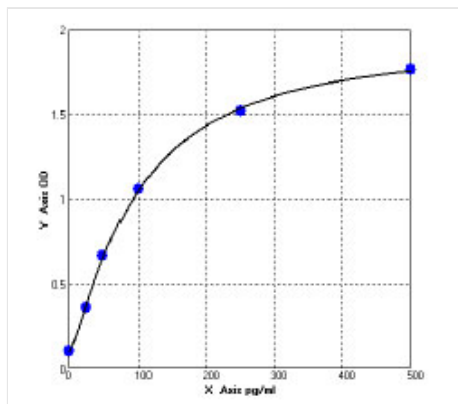
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for VEGF. Standards or samples are then added to the microtiter plate wells and VEGF if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of VEGF present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for VEGF are added to each well to "sandwich" the VEGF immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain VEGF and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 Rat VEGF. This ELISA kit for research use only, not for therapeutic or diagnostic 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/vegfrat-elisa-kits/vascular-endothelial-growth-factor/16218>