

Human VEGF ELISA Kit | VEGF elisa kit

Human VEGF ELISA Kit

CATALOG # AAA332562	REACTIVITY Human	APPLICATIONS ELISA
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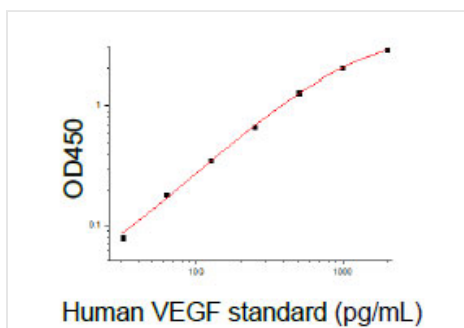
PRODUCT SYNONYMS

VEGF; Human VEGF ELISA Kit; VEGFA; RP1-261G23.1; MGC70609; MVCD1; VEGF-A; VPF; vascular endothelial growth factor isoform VEGF165; vascular permeability factor; VEGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human VEGF ELISA Kit has high sensitivity and excellent specificity for detection of Human VEGF. No significant cross-reactivity or interference between Human VEGF and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	31.25 pg/mL - 2,000 pg/mL
Sensitivity	16 pg/mL
Applicable Applications for VEGF elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGF elisa kit	Principle of the Assay: Human Vascular endothelial growth factor (VEGF) is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide -linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis.Human VEGF ELISA Kit employs a double antibody sandwich method to quantitate Human VEGF in samples. An antibody specific for Human VEGF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human VEGF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human VEGF is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450 nm wavelength. The VEGF concentration is proportional to the OD450 nm value.
Product Categories/Family for VEGF elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001191313.1
NCBI GenBank Nucleotide #	NM_001204384.1
UniProt Accession #	P15692; O60720; O75875; Q074Z4; Q16889; B5BU86; H0Y2S8; H0Y407; H0Y414; H0Y462; H0Y8N2; H3BLW7
Molecular Weight	27,042 Da
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; 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.