

Human KNG1 ELISA Kit | KNG1 elisa kit

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CATALOG # AAA261736	REACTIVITY Human	APPLICATIONS ELISA
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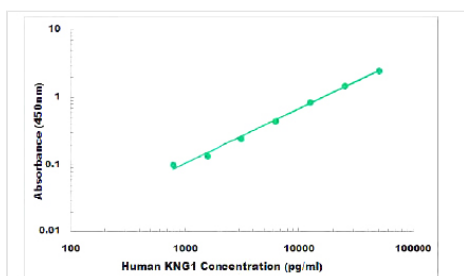
PRODUCT SYNONYMS

KNG1; Human KNG1 ELISA Kit; BDK; KNG; Kininogen-1; Alpha-2-thiol proteinase inhibitor; Fitzgerald factor; High molecular weight kininogen; HMWK; Williams-Fitzgerald-Flaujeac factor; KNG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human KNG1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human KNG1 proteins within the range of 780 pg/ml - 50000 pg/ml.
Sequence Length	644
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	20 pg/ml.
Applicable Applications for KNG1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KNG1 elisa kit	Principle of the Assay The Human KNG1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human KNG1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human KNG1 coated on a 96-well plate. Standards and samples are pipetted into the wells and KNG1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human KNG1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of KNG1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Kininogen-1 (KNG1), also known as alpha-2-thiol proteinase inhibitor, Williams-Fitzgerald-Flaujeac factor or the HMWK-kallikrein factor, is a protein that in humans is encoded by the KNG1 gene. It is mapped to 3q27.3. The KNG1 gene uses alternative splicing to generate two different proteins - high - molecular - weight kininogen (HMWK) and low - molecular- weight kininogen (LMWK). HMWK is essential for blood coagulation and assembly of the kallikrein-kinin system. Also, bradykinin, a peptide causing numerous physiological effects, is released from HMWK. In contrast to HMWK, LMWK is not involved in blood coagulation. In addition to that, KNG1 is a constituent of the blood coagulation system as well as the kinin-kallikrein system.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124056474
NCBI GeneID	3827
UniProt Accession #	P01042; P01043; Q53EQ0; Q6PAU9; Q7M4P1; A8K474; B2RCR2; C9JEX1
Molecular Weight	43,822 Da
NCBI Official Full Name	Kininogen-1
NCBI Official Synonym Full Names	kininogen 1
NCBI Official Symbol	KNG1
NCBI Official Synonym Symbols	BK; BDK; KNG
NCBI Protein Information	kininogen-1
UniProt Protein Name	Kininogen-1
UniProt Gene Name	KNG1
UniProt Synonym Gene Names	BDK; KNG; HMWK
UniProt Entry Name	KNG1_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.