

Kininogen-1 ELISA Kit | KNG1 elisa kit

Human Kininogen-1/KNG1 PicoKine ELISA Kit

CATALOG #
AAA46113

REACTIVITY
Human. There is no detectable cross-reactivity with other relevant proteins.

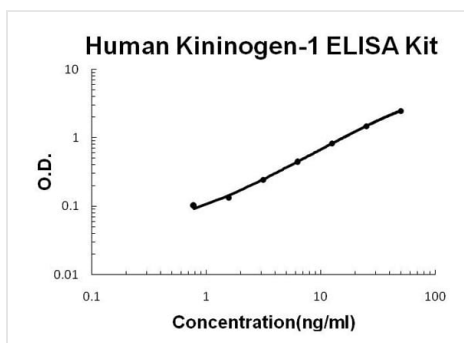
PRODUCT SYNONYMS

Kininogen-1; Human Kininogen-1/KNG1 PicoKine ELISA Kit; Alpha-2-thiol proteinase inhibitor; BDK; BK; included; bradykinin; Fitzgerald factor; Flaujeac factor; High molecular weight kininogen; HMWK; Ile-Ser-Bradykinin; Kallidin I; Kallidin II; kininogen 1; KNG; KNG1; KNG1_HUMAN; LMWK; Low molecular weight growth-promoting factor; Low molecular weight kininogen; Williams factor; Williams-Fitzgerald-Flaujeac factor; KNG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	427
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<20pg/ml
Immunogen	NSO, Q19-S644
Intra-Assay Precision	Sample 1: n=16; Mean(ng/ml): 8.5; Standard deviation: 0.323; CV(%): 3.8 Sample 2: n=16; Mean(ng/ml): 14; Standard deviation: 0.658; CV(%): 4.7 Sample 3: n=16; Mean(ng/ml): 28; Standard deviation: 1.54; CV(%): 5.5
Inter-Assay Precision	Sample 1: n=24; Mean(ng/ml): 10; Standard deviation: 0.43; CV(%): 4.3 Sample 2: n=24; Mean(ng/ml): 19; Standard deviation: 0.969; CV(%): 5.1 Sample 3: n=24; Mean(ng/ml): 35; Standard deviation: 2.17; CV(%): 6.2
Assay Range	0.78ng/ml-50ng/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Kininogen-1/KNG1 ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for KNG1 elisa kit	Description: Sandwich ELISA kit of Quantitative Detection for Human Kininogen-1/KNG1 Background: 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 #	4504893
NCBI GeneID	3827
NCBI Accession #	NP_000884.1
NCBI GenBank Nucleotide #	NM_000893.3
UniProt Accession #	P01042; P01043; Q53EQ0; Q6PAU9; Q7M4P1; A8K474; B2RCR2; C9JEX1
Molecular Weight	43,822 Da
NCBI Official Full Name	kininogen-1 isoform 2
NCBI Official Synonym Full Names	kininogen 1
NCBI Official Symbol	KNG1
NCBI Official Synonym Symbols	BK; BDK; KNG
NCBI Protein Information	kininogen-1; HMWK; bradykinin; fitzgerald factor; high molecular weight kininogen; alpha-2-thiol proteinase inhibitor; williams-Fitzgerald-Flaujeac factor
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.

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Online datasheet: <https://stage.aaabiotech.com/kng1-human-elisa-kits/kininogen-1/46113>