

Rat Kininogen 1 (KNG1) ELISA Kit | KNG1 elisa kit

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CATALOG #
AAA63590

REACTIVITY
Rat

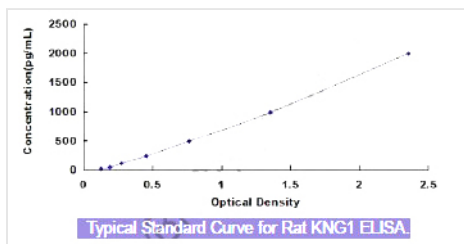
PRODUCT SYNONYMS

Kininogen 1 (KNG1); Rat Kininogen 1 (KNG1) ELISA Kit; BDK; KNG; HMWK; Alpha-2-Thiol Proteinase Inhibitor; Bradykinin; Kallidin; Fitzgerald factor; High molecular weight kininogen; Williams-Fitzgerald-Flaujeac factor; Ile-Ser-Bradykinin; KNG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of KNG1. No significant cross-reactivity or interference between KNG1 and analogues was observed.
Sequence Length	430
Samples	Plasma.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	11.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KNG1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KNG1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KNG1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KNG1 in rat plasma. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KNG1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KNG1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain KNG1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of KNG1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	80861401
NCBI GeneID	24903
NCBI Accession #	NP_036828.2
NCBI GenBank Nucleotide #	NM_012696.2
UniProt Accession #	Q5PQU1; P01048
Molecular Weight	47,764 Da
NCBI Official Full Name	T-kininogen 1
NCBI Official Synonym Full Names	kininogen 1
NCBI Official Symbol	Kng1
NCBI Official Synonym Symbols	Kng; Tkg; Kngk; Kngt; Map1; TKG6; KINKG; KINKH; Kngt1; KINT1G; Kng_v1; Kng1_v1
NCBI Protein Information	T-kininogen 1
UniProt Protein Name	Kininogen 1
UniProt Gene Name	Kng2

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.