

Human High Molecular Weight Kininogen (HMWK) ELISA Kit | HMWK elisa kit

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CATALOG #
AAA20375

REACTIVITY
Human

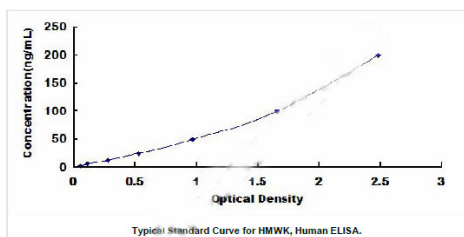
PRODUCT SYNONYMS

High Molecular Weight Kininogen (HMWK); Human High Molecular Weight Kininogen (HMWK) ELISA Kit; Williams-Fitzgerald-Flaujeac Factor; Fitzgerald Factor; HMWK-Kallikrein Factor; HMWK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HMG1. No significant cross-reactivity or interference between HMG1 and analogues was observed.
Sequence Length	480
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.23ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HMG1 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 HMG1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HMWK elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HMG1 in human serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HMG1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HMG1. 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 HMG1, 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 HMG1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HMWK elisa kit	Enzyme & Kinase; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	50082914
NCBI GeneID	16644
UniProt Accession #	O08677; O08676; Q32MX7; Q6S9I1; Q91XK5
Molecular Weight	53,206 Da
NCBI Official Full Name	high molecular weight kininogen I isoform DeltaD5
NCBI Official Synonym Full Names	kininogen 1
NCBI Official Symbol	Kng1
NCBI Official Synonym Symbols	Kng
NCBI Protein Information	kininogen-1
UniProt Protein Name	Kininogen-1
UniProt Gene Name	Kng1
UniProt Synonym Gene Names	Kng
UniProt Entry Name	KNG1_MOUSE

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/human-elisa-kits/high-molecular-weight-kininogen-hmwk/20375>