

Human High Molecular Weight Kininogen (HMWK) CLIA Kit | HMWK clia kit

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CATALOG #
AAA190181

REACTIVITY
Human

PRODUCT SYNONYMS

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

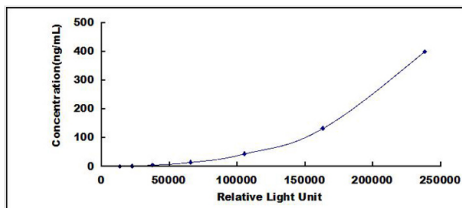
PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of High Molecular Weight Kininogen (HMWK). No significant cross-reactivity or interference between High Molecular Weight Kininogen (HMWK) and analogues was observed. Reactive with Human HMWK/High Molecular Weight Kininogen
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.55-400ng/mL
Sensitivity	0.21ng/mL
Sample Size	100uL
Detection Method	Chemiluminescence
Featured Series	SE kit
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Molecular Weight Kininogen (HMWK) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Molecular Weight Kininogen (HMWK) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Function	Detects protein (regular version)
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 100ul Substrate Solution. Incubate 10 minutes at 37 degree C 8. Read RLU value immediately.
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to High Molecular Weight Kininogen (HMWK). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to High Molecular Weight Kininogen (HMWK). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the High Molecular Weight Kininogen (HMWK) level in the sample or standard.;
Research Area	Enzyme & Kinase, Hematology

Preparation and Storage

Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life)
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)

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
Molecular Weight	71,957 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/human-clia-kits/high-molecular-weight-kininogen-hmwk/190181>