

Human Kallikrein 12 (KLK12) ELISA Kit | KLK12 elisa kit

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CATALOG #
AAA182370

REACTIVITY
Human

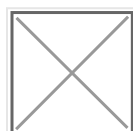
PRODUCT SYNONYMS

Kallikrein 12 (KLK12); Human Kallikrein 12 (KLK12) ELISA Kit; KLK-L5; KLKL5; Kallikrein-Related Peptidase 12; Kallikrein-like protein 5; KLK12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallikrein 12 (KLK12). No significant cross-reactivity or interference between Kallikrein 12 (KLK12) and analogues was observed.
Sequence Length	111
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	12.35-1000ng/mL
Sensitivity	< 7.14ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Kallikrein 12 (KLK12) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallikrein 12 (KLK12) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 KLK12 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Kallikrein 12 (KLK12) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Kallikrein 12 (KLK12) and unlabeled Kallikrein 12 (KLK12) (Standards or samples) with the pre-coated antibody specific to Kallikrein 12 (KLK12). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Kallikrein 12 (KLK12) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Kallikrein 12 (KLK12) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22208989
NCBI GeneID	43849
NCBI Accession #	NP_665902.1
NCBI GenBank Nucleotide #	NM_145895.1
UniProt Accession #	Q9UKR0; Q9UKR1; Q9UKR2
Molecular Weight	11,984 Da
NCBI Official Full Name	kallikrein-12 isoform 3
NCBI Official Synonym Full Names	kallikrein related peptidase 12
NCBI Official Symbol	KLK12
NCBI Official Synonym Symbols	KLKL5; KLK-L5
NCBI Protein Information	kallikrein-12
UniProt Protein Name	Kallikrein-12
UniProt Gene Name	KLK12
UniProt Synonym Gene Names	KLKL5; KLK-L5

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/kallikrein-12-klk12/182370>