

Human Kallistatin (KAL) ELISA Kit | KAL elisa kit

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CATALOG #
AAA137422

REACTIVITY
Human

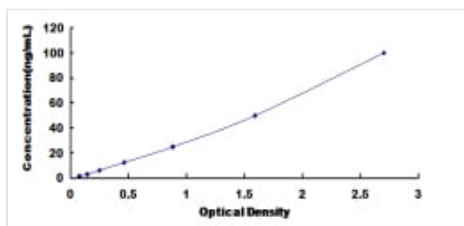
PRODUCT SYNONYMS

Kallistatin (KAL); Human Kallistatin (KAL) ELISA Kit; SERPINA4; KLST; KST; PI4; Serpin Peptidase Inhibitor Clade A Member 4; Tissue Kallikrein Inhibitor; Kallikrein Binding Protein; Peptidase inhibitor 4; KAL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Kallistatin (KAL). No significant cross-reactivity or interference between Kallistatin (KAL) and analogues was observed.
Sequence Length	427
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	2.95ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Kallistatin (KAL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Kallistatin (KAL) 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 KAL elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Kallistatin (KAL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Kallistatin (KAL). 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 Kallistatin (KAL), 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 Kallistatin (KAL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KAL elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	573459745
NCBI GeneID	5267
NCBI Accession #	NP_001275962.1
NCBI GenBank Nucleotide #	NM_001289033.1
UniProt Accession #	P29622; Q53XB5; Q86TR9; Q96BZ5
Molecular Weight	48,542 Da
NCBI Official Full Name	kallistatin isoform 2
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4
NCBI Official Symbol	SERPINA4
NCBI Official Synonym Symbols	KAL; KST; PI4; KLST; PI-4; kallistatin
NCBI Protein Information	kallistatin
UniProt Protein Name	Kallistatin
UniProt Gene Name	SERPINA4
UniProt Synonym Gene Names	KST; PI4; PI-4
UniProt Entry Name	KAIN_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-elisa-kits/kallistatin-kal/137422>