

Mouse Heparin Cofactor II (HCII) ELISA Kit | HCII elisa kit

Mouse Heparin Cofactor II (HCII) Mini Samples ELISA Kit

CATALOG # AAA188685	REACTIVITY Mouse	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

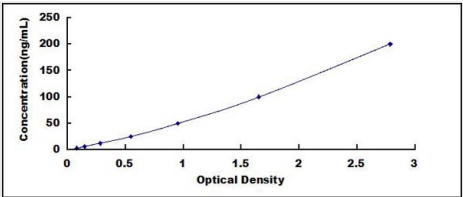
PRODUCT SYNONYMS

Heparin Cofactor II (HCII); Mouse Heparin Cofactor II (HCII) Mini Samples ELISA Kit; Heparin Cofactor II; SERPIND1; HC2; HCF2; HC II; HLS2; LS2; Serpin D1; Serpin Peptidase Inhibitor Clade D Member 1; Protease inhibitor leuserpin-2; HCII elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Heparin Cofactor II (HCII). No significant cross-reactivity or interference between Mini Samples Heparin Cofactor II (HCII) and analogues was observed.
Sequence Length	478
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	3.12-200ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 1.33ng/mL
Applicable Applications for HCII elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Heparin Cofactor II (HCII) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Heparin Cofactor II (HCII) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 Mini Samples Heparin Cofactor II (HCII). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Heparin Cofactor II (HCII). 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 Mini Samples Heparin Cofactor II (HCII), 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 Mini Samples Heparin Cofactor II (HCII) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	161377465
NCBI GeneID	15160
NCBI Accession #	NP_032249.3
NCBI GenBank Nucleotide #	NP_032249.3
UniProt Accession #	P49182
NCBI Official Full Name	heparin cofactor 2
NCBI Official Synonym Full Names	serine (or cysteine) peptidase inhibitor, clade D, member 1
NCBI Official Symbol	Serpind1
NCBI Official Synonym Symbols	HCII; Hcf2; HC-II; AA985900; AI303446
NCBI Protein Information	heparin cofactor 2
UniProt Protein Name	Heparin cofactor 2
UniProt Gene Name	Serpind1
UniProt Synonym Gene Names	Hcf2; Hcii; HC-II
UniProt Entry Name	HEP2_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.