

Canine Heparin Cofactor II ELISA Kit | HC II elisa kit

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CATALOG #
AAA89753

REACTIVITY
Canine

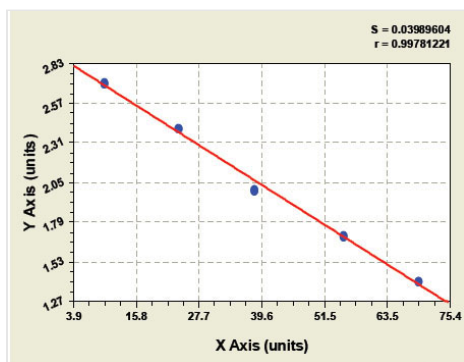
PRODUCT SYNONYMS

Heparin Cofactor II; Canine Heparin Cofactor II ELISA Kit; HC II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	10-250U/L
Sensitivity	1.0U/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HC II elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This HCII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine HCII. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY HCII ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HCII antibody and an HCII-HRP conjugate. The assay sample and buffer are incubated together with HCII-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HCII concentration since HCII from samples and HCII-HRP conjugate compete for the anti-HCII antibody binding site. Since the number of sites is limited, as more sites are occupied by HCII from the sample, fewer sites are left to bind HCII-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HCII concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HC II elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	73858566
NCBI GeneID	3053
NCBI Accession #	NP_000176.2
NCBI GenBank Nucleotide #	NM_000185.3
Molecular Weight	57,071 Da
NCBI Official Full Name	heparin cofactor 2
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade D (heparin cofactor), member 1
NCBI Official Symbol	SERPIND1
NCBI Official Synonym Symbols	HC2; LS2; HCF2; HCII; HLS2; THPH10; D22S673
NCBI Protein Information	heparin cofactor 2; serpin D1; leuserpin 2; protease inhibitor leuserpin-2; serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1
UniProt Protein Name	Heparin cofactor 2
UniProt Gene Name	SERPIND1
UniProt Synonym Gene Names	HCF2; HC-II; HLS2
UniProt Entry Name	HEP2_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.