

Human Hepcidin ELISA Kit | Hepc elisa kit

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CATALOG #
AAA16653

REACTIVITY
Human

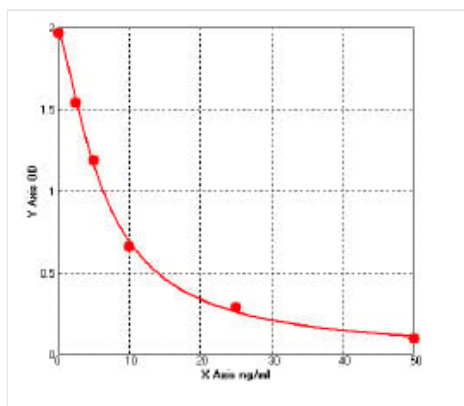
PRODUCT SYNONYMS

Hepcidin; Human Hepcidin ELISA Kit; Hepc elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HEPC. No significant cross-reactivity or interference between HEPC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HEPC and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hepc elisa kit	Principle of the Assay: HEPC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HEPC antibody and an HEPC-HRP conjugate. The assay sample and buffer are incubated together with HEPC-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 HEPC concentration since HEPC from samples and HEPC-HRP conjugate compete for the anti-HEPC antibody binding site. Since the number of sites is limited, as more sites are occupied by HEPC from the sample, fewer sites are left to bind HEPC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HEPC concentration in each sample is interpolated from this standard curve. Intended Uses: This HEPC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HEPC. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Hepc elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863973
NCBI GeneID	57817
NCBI Accession #	NP_066998.1
NCBI GenBank Nucleotide #	NM_021175.2
Molecular Weight	9,408 Da
NCBI Official Full Name	hepcidin preproprotein
NCBI Official Synonym Full Names	hepcidin antimicrobial peptide
NCBI Official Symbol	HAMP
NCBI Official Synonym Symbols	HEPC; PLTR; HFE2B; LEAP1
NCBI Protein Information	hepcidin; putative liver tumor regressor; liver-expressed antimicrobial peptide 1
UniProt Protein Name	Hepcidin
UniProt Gene Name	HAMP
UniProt Synonym Gene Names	HEPC; LEAP1; UNQ487/PRO1003; LEAP-1; PLTR; Hepc25; Hepc20
UniProt Entry Name	HEPC_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/hepc-human-elisa-kits/hepcidin/16653>