

Human Hepcidin (Hepc) CLIA Kit | Hepc clia kit

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CATALOG #
AAA130389

REACTIVITY
Human

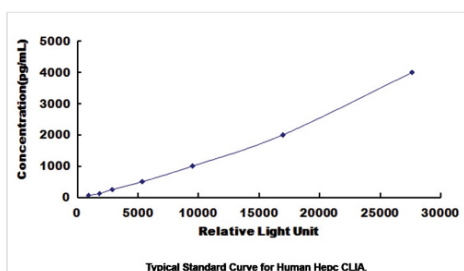
PRODUCT SYNONYMS

Hepcidin (Hepc); Human Hepcidin (Hepc) CLIA Kit; HAMP; HFE2B; PLTR; LEAP1; Hepcidin Antimicrobial Peptide; Liver-expressed antimicrobial peptide 1; Putative liver tumor regressor; Hepc clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Hepcidin (Hepc). No significant cross-reactivity or interference between Hepcidin (Hepc) and analogues was observed.
Sequence Length	84
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	5.49-4,000pg/mL
Sensitivity	1.89pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Hepcidin (Hepc) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hepcidin (Hepc) 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 Hepc clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Hepcidin (Hepc). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Hepcidin (Hepc). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Hepcidin (Hepc) level in the sample or standard.;
Product Categories/Family for Hepc clia kit	Metabolic pathway; Endocrinology; Hematology; Genetic science

NCBI AND UNIPROT INFORMATION

NCBI GI #	197097356
NCBI GeneID	100174758
NCBI Accession #	NP_001127676.1
NCBI GenBank Nucleotide #	NM_001134204.1
UniProt Accession #	Q5NVR8
Molecular Weight	9,374 Da
NCBI Official Full Name	hepcidin
NCBI Official Symbol	HAMP
NCBI Official Synonym Symbols	HEPC; Hepcidin
NCBI Protein Information	hepcidin
UniProt Protein Name	Hepcidin
UniProt Gene Name	HAMP
UniProt Synonym Gene Names	HEPC
UniProt Entry Name	HEPC_PONAB

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.