

Mouse Hepcidin (Hepc) ELISA Kit | Hepc elisa kit

Mouse Hepcidin (Hepc) High Sensitive ELISA Kit

CATALOG # AAA188564	REACTIVITY Mouse	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

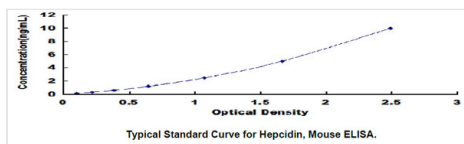
PRODUCT SYNONYMS

Hepcidin (Hepc); Mouse Hepcidin (Hepc) High Sensitive ELISA Kit; Hepcidin; HAMP; HFE2B; PLTR; LEAP1; Hepcidin Antimicrobial Peptide; Liver-expressed antimicrobial peptide 1; Putative liver tumor regressor; Hepc elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of hepcidin. No significant cross-reactivity or interference between hepcidin and analogues was observed.
Sequence Length	83
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Applicable Applications for Hepc elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level hepcidin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level hepcidin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to hepcidin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to hepcidin. 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 hepcidin, 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 hepcidin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of hepcidin in mouse serum, plasma, tissue homogenates and other biological fluids.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	14211542
NCBI GeneID	84506
NCBI Accession #	NP_115930.1
NCBI GenBank Nucleotide #	NP_115930.1
UniProt Accession #	Q9EQ21
NCBI Official Full Name	hepcidin preproprotein
NCBI Official Synonym Full Names	hepcidin antimicrobial peptide
NCBI Official Symbol	Hamp
NCBI Official Synonym Symbols	Hepc; Hamp1; Hepc1
NCBI Protein Information	hepcidin
UniProt Protein Name	Hepcidin
UniProt Gene Name	Hamp
UniProt Synonym Gene Names	Hamp1; Hepc; Hepc1

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.