

Mouse Hepcidin (Hepc) ELISA Kit | Hepc elisa kit

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CATALOG #
AAA135664

REACTIVITY
Mouse

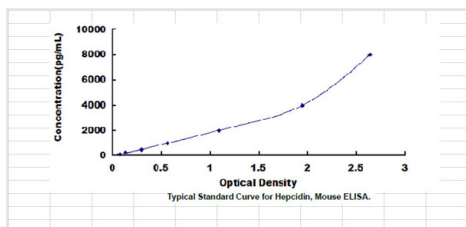
PRODUCT SYNONYMS

Hepcidin (Hepc); Mouse Hepcidin (Hepc) ELISA Kit; 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	84
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Urine And Other Biological Fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	26.3pg/mL
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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of hepcidin in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. 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.
Product Categories/Family for Hepc elisa 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.