

Rat Hepcidin (Hepc) ELISA Kit | Hepc elisa kit

Rat Hepcidin (Hepc) High Sensitive ELISA Kit

CATALOG # AAA188565	REACTIVITY Rat	APPLICATIONS ELISA
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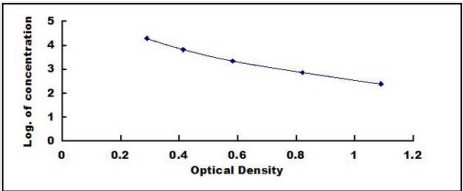
PRODUCT SYNONYMS

Hepcidin (Hepc); Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive Hepcidin (Hepc). No significant cross-reactivity or interference between High Sensitive Hepcidin (Hepc) and analogues was observed.
Sequence Length	84
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	246.9-20000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 87.3pg/mL
Applicable Applications for Hepc elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level High Sensitive Hepcidin (Hepc) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level High Sensitive Hepcidin (Hepc) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to High Sensitive Hepcidin (Hepc) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled High Sensitive Hepcidin (Hepc) and unlabeled High Sensitive Hepcidin (Hepc) (Standards or samples) with the pre-coated antibody specific to High Sensitive Hepcidin (Hepc). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of High Sensitive Hepcidin (Hepc) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of High Sensitive Hepcidin (Hepc) in the sample.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758218
NCBI Accession #	NP_445921.1
NCBI GenBank Nucleotide #	NP_445921.1
UniProt Accession #	Q99MH3
NCBI Official Full Name	hepcidin
UniProt Protein Name	Hepcidin
UniProt Gene Name	Hamp
UniProt Synonym Gene Names	Hepc

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://www.aaabiotech.com/rat-elisa-kits/hepcidin-hepc/188565>