

Rat Hephaestin (HEPH) ELISA Kit | HEPH elisa kit

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CATALOG #
AAA68411

REACTIVITY
Rat

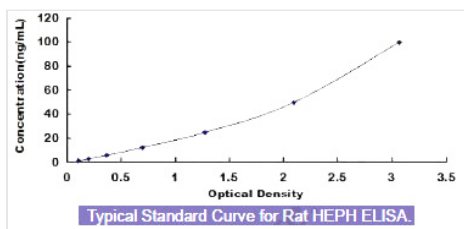
PRODUCT SYNONYMS

Hephaestin (HEPH); Rat Hephaestin (HEPH) ELISA Kit; CPL; HEPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HEPH. No significant cross-reactivity or interference between HEPH and analogues was observed.
Sequence Length	1157
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	<0.55ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HEPH 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 HEPH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HEPH elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HEPH in rat serum, plasma, tissue homogenates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HEPH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HEPH. 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 HEPH, 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 HEPH in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18959244
NCBI GeneID	117240
NCBI Accession #	NP_579838.1
NCBI GenBank Nucleotide #	NM_133304.1
UniProt Accession #	Q920H8
Molecular Weight	129,593 Da
NCBI Official Full Name	hephaestin
NCBI Official Synonym Full Names	hephaestin
NCBI Official Symbol	Heph
NCBI Protein Information	hephaestin
UniProt Protein Name	Hephaestin
UniProt Gene Name	Heph

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/rat-elisa-kits/hephaestin-heph/68411>