

Rat Ferrochelatase (FECH) ELISA Kit | FECH elisa kit

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CATALOG #
AAA64174

REACTIVITY
Rat

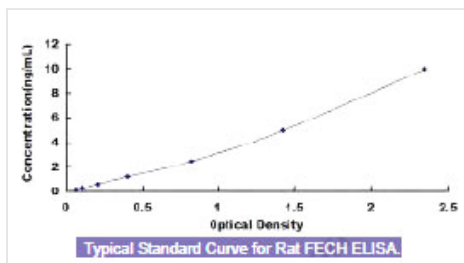
PRODUCT SYNONYMS

Ferrochelatase (FECH); Rat Ferrochelatase (FECH) ELISA Kit; EPP; FCE; Protoheme Ferrolyase; Protoporphyrin; Heme synthase; Protoheme ferro-lyase; FECH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FECH. No significant cross-reactivity or interference between FECH and analogues was observed.
Sequence Length	422
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FECH 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 FECH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FECH elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FECH in rat 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 FECH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FECH. 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 FECH, 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 FECH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157823017
NCBI GeneID	361338
NCBI Accession #	NP_001101904.1
NCBI GenBank Nucleotide #	NM_001108434.1
UniProt Accession #	D3ZBM3
Molecular Weight	47,552 Da
NCBI Official Full Name	ferrochelatase, mitochondrial
NCBI Official Synonym Full Names	ferrochelatase
NCBI Official Symbol	Fech
NCBI Protein Information	ferrochelatase, mitochondrial
UniProt Protein Name	Ferrochelatase
UniProt Gene Name	Fech

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.