

Human Ferrochelatase, mitochondrial ELISA Kit | FECH elisa kit

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CATALOG #
AAA100033

REACTIVITY
Human

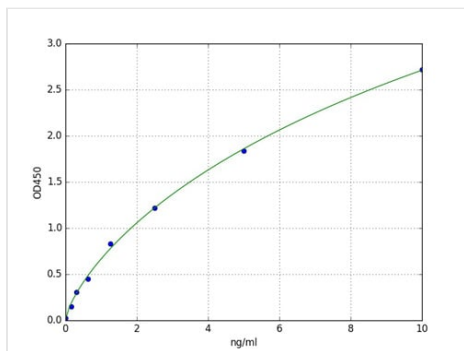
PRODUCT SYNONYMS

Ferrochelatase; mitochondrial; Human Ferrochelatase; mitochondrial ELISA Kit; FECH/Heme synthase/Protoheme ferro-lyase; FECH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	429
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human FECH ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.054	0.117	0.186	0.269	0.491	0.876	1.459	2.181

ADDITIONAL INFORMATION

Related Product Information for FECH elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human FECH antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human FECH antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human FECH amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human FECH can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

60499025

NCBI GeneID	2235
NCBI Accession #	NP_001012533.1
NCBI GenBank Nucleotide #	NM_001012515.2
Molecular Weight	48,625 Da
NCBI Official Full Name	ferrochelataase, mitochondrial isoform a
NCBI Official Synonym Full Names	ferrochelataase
NCBI Official Symbol	FECH
NCBI Official Synonym Symbols	EPP; FCE
NCBI Protein Information	ferrochelataase, mitochondrial
UniProt Protein Name	Ferrochelataase, mitochondrial
UniProt Gene Name	FECH
UniProt Entry Name	HEMH_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/fech-human-elisa-kits/ferrochelataase-mitochondrial/100033>