

Human Fumarate hydratase, mitochondrial ELISA Kit | FH elisa kit

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CATALOG #
AAA102379

REACTIVITY
Human

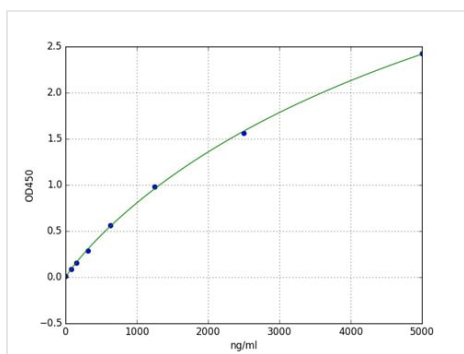
PRODUCT SYNONYMS

Fumarate hydratase; mitochondrial; Human Fumarate hydratase; mitochondrial ELISA Kit; FH/Fumarate hydratase; mitochondrial/Fumarase/HLRCC/LRCC/MCL/MCUL1; FH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	510
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 FH 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	78	156	312.5	625	1250	2500	5000
Y	OD450	0.040	0.151	0.366	0.560	0.846	1.143	1.756	2.293

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FH elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human FH antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human FH 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. HRP-Streptavidin 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 FH amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human FH can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743875
NCBI GeneID	2271
NCBI Accession #	NP_000134.2
NCBI GenBank Nucleotide #	NM_000143.3
Molecular Weight	50,213 Da
NCBI Official Full Name	fumarate hydratase, mitochondrial
NCBI Official Synonym Full Names	fumarate hydratase
NCBI Official Symbol	FH
NCBI Official Synonym Symbols	MCL; FMRD; LRCC; HLRCC; MCUL1
NCBI Protein Information	fumarate hydratase, mitochondrial
UniProt Protein Name	Fumarate hydratase, mitochondrial
UniProt Gene Name	FH
UniProt Synonym Gene Names	Fumarase
UniProt Entry Name	FUMH_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.

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Online datasheet: <https://stage.aaabiotech.com/fh-human-elisa-kits/fumarate-hydratase-mitochondrial/102379>