

Human Fumae hydase, mitochondrial (FH) ELISA Kit | FH elisa kit

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CATALOG #
AAA245237

REACTIVITY
Human

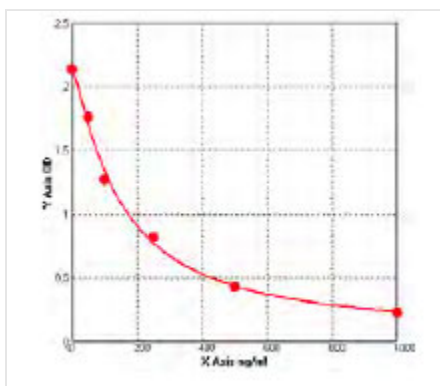
PRODUCT SYNONYMS

Fumae hydase; mitochondrial (FH); Human Fumae hydase; mitochondrial (FH) ELISA Kit; FH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FH elisa kit

Intended Uses: This FH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FH. This ELISA kit for research use only!

Principle of the Assay: FH ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FH antibody and an FH-HRP conjugate. The assay sample and buffer are incubated together with FH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FH concentration since FH from samples and FH-HRP conjugate compete for the anti-FH antibody binding site. Since the number of sites is limited, as more sites are occupied by FH from the sample, fewer sites are left to bind FH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FH concentration in each sample is interpolated from this standard curve.

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; LRCC; HLRCC; MCUL1
NCBI Protein Information	fumarate hydratase, mitochondrial; fumarase
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://www.aaabiotech.com/human-elisa-kits/fumae-hydase-mitochondrial-fh/245237>