

Human Hydroxyacylglutathione hydrolase, Mitochondrial ELISA Kit | HAGH elisa kit

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CATALOG #
AAA83023

REACTIVITY
Human

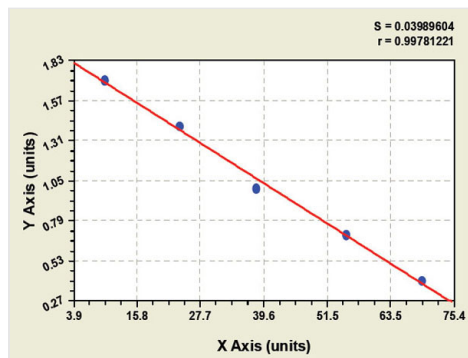
PRODUCT SYNONYMS

Hydroxyacylglutathione hydrolase; Mitochondrial; Human Hydroxyacylglutathione hydrolase; Mitochondrial ELISA Kit; HAGH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This HHM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HHM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HAGH elisa kit

Principle of the assay: HHM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HHM antibody and an HHM-HRP conjugate. The assay sample and buffer are incubated together with HHM-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 HHM concentration since HHM from samples and HHM-HRP conjugate compete for the anti-HHM antibody binding site. Since the number of sites is limited, as more sites are occupied by HHM from the sample, fewer sites are left to bind HHM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HHM concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94538322
NCBI GeneID	3029
NCBI Accession #	NP_005317.2
NCBI GenBank Nucleotide #	NM_005326.4
Molecular Weight	25,455 Da
NCBI Official Full Name	hydroxyacylglutathione hydrolase, mitochondrial isoform 1
NCBI Official Synonym Full Names	hydroxyacylglutathione hydrolase
NCBI Official Symbol	HAGH
NCBI Official Synonym Symbols	GLO2; GLX2; GLXII; HAGH1
NCBI Protein Information	hydroxyacylglutathione hydrolase, mitochondrial; glx II; glyoxalase II; hydroxyacylglutathione hydroxylase
UniProt Protein Name	Hydroxyacylglutathione hydrolase, mitochondrial
UniProt Gene Name	HAGH
UniProt Synonym Gene Names	GLO2; HAGH1; Glx II
UniProt Entry Name	GLO2_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/hagh-human-elisa-kits/hydroxyacylglutathione-hydrolase-mitochondrial/83023>