

Human Glutaryl CoA dehydrogenase, mitochondrial (GCDH) ELISA Kit | GCDH elisa kit

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CATALOG #
AAA244684

REACTIVITY
Human

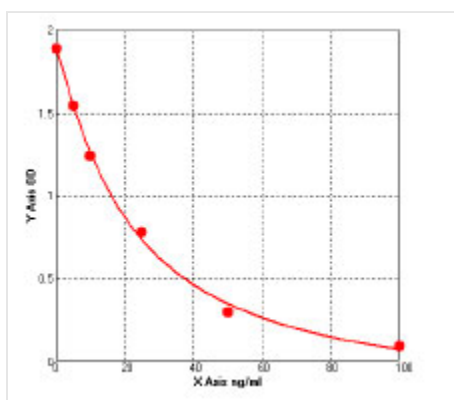
PRODUCT SYNONYMS

Glutaryl CoA dehydrogenase; mitochondrial (GCDH); Human Glutaryl CoA dehydrogenase; mitochondrial (GCDH) ELISA Kit; GCDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCDH elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669494
NCBI GeneID	2639
NCBI Accession #	NP_039663.1
NCBI GenBank Nucleotide #	NM_013976.3
Molecular Weight	47,355 Da
NCBI Official Full Name	glutaryl-CoA dehydrogenase, mitochondrial isoform b
NCBI Official Synonym Full Names	glutaryl-CoA dehydrogenase
NCBI Official Symbol	GCDH
NCBI Official Synonym Symbols	GCD; ACAD5
NCBI Protein Information	glutaryl-CoA dehydrogenase, mitochondrial; glutaryl-Coenzyme A dehydrogenase
UniProt Protein Name	Glutaryl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	GCDH
UniProt Synonym Gene Names	GCD
UniProt Entry Name	GCDH_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://www.aaabiotech.com/human-elisa-kits/glutaryl-coa-dehydrogenase-mitochondrial-gcdh/244684>