

Mouse Glutamate dehydrogenase ELISA Kit | GLDH elisa kit

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CATALOG #
AAA17442

REACTIVITY
Mouse

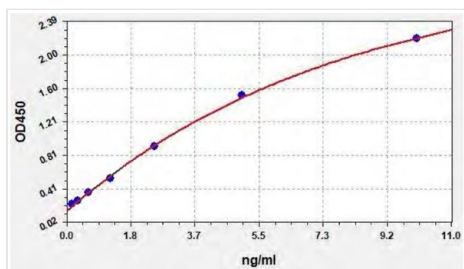
PRODUCT SYNONYMS

Glutamate dehydrogenase; Mouse Glutamate dehydrogenase ELISA Kit; GDH/GLDH; GLDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize GLDH, no obvious cross reaction with other analogues
Sequence Length	411
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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)

ADDITIONAL INFORMATION

Related Product Information for GLDH elisa kit	Background: Glutamate dehydrogenase is a mitochondrial enzyme that catalyzes the oxidative deamination of glutamate to alpha- ketoglutarate through association with the cofactor nicotinamide adenine dinucleotide phosphate. Glutamate dehydrogenase is highly expressed in various tissues such as the liver, brain, kidney, heart, pancreas, ovaries, and testis. Levels of GDH are normally low in most species, and increased serum GDH is indicative of damaged or necrotic hepatocytes due to liver disease. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti GLDH antibody was precoated onto the 96-well plate. The biotin conjugated anti GLDH antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with GLDH conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of GLDH in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	795881068
NCBI GeneID	544015
NCBI Accession #	NP_001233850.2
NCBI GenBank Nucleotide #	NM_001246921.2
Molecular Weight	44,813 Da
NCBI Official Full Name	glutamate dehydrogenase
NCBI Official Symbol	gdh1
NCBI Official Synonym Symbols	GDH; legdh1
NCBI Protein Information	glutamate dehydrogenase
UniProt Protein Name	Glutamate dehydrogenase
UniProt Gene Name	GDH1
UniProt Synonym Gene Names	GDH
UniProt Entry Name	DHE3_SOLLC

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.