Mouse Glutamate Dehydrogenase 1 (GDH) ELISA Kit | GDH elisa kit

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CATALOG #	REACTIVITY
AAA66116	**Mouse**

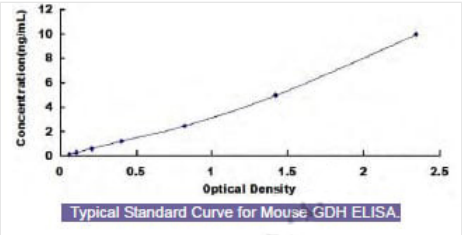
PRODUCT SYNONYMS

Glutamate Dehydrogenase 1 (GDH); Mouse Glutamate Dehydrogenase 1 (GDH) ELISA Kit; GLUD1; Glutamate dehydrogenase 1; mitochondrial; GDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GDH. No significant cross-reactivity or interference between GDH and analogues was observed.
Sequence Length	558
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10U/L
Sensitivity	0.07U/L
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GDH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GDH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GDH elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GDH in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GDH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody reparation specific to GDH. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GDH, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GDH in the samples is then determined by comparing he O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680027
NCBI GeneID	14661
NCBI Accession #	NP_032159.1
NCBI GenBank Nucleotide #	NM_008133.4
UniProt Accession #	P26443; Q8C273
Molecular Weight	61,337 Da
NCBI Official Full Name	glutamate dehydrogenase 1, mitochondrial
NCBI Official Synonym Full Names	glutamate dehydrogenase 1
NCBI Official Symbol	Glud1
NCBI Official Synonym Symbols	Glud; Gdh-X; Gludl; AI118167
NCBI Protein Information	glutamate dehydrogenase 1, mitochondrial
UniProt Protein Name	Glutamate dehydrogenase 1, mitochondrial
UniProt Gene Name	**Glud1**
UniProt Synonym Gene Names	Glud; GDH 1

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/mouse-elisa-kits/glutamate-dehydrogenase-1-gdh/66116