

General Glutamate Dehydrogenase Assay Kit | gdh1 assay kit

Glutamate Dehydrogenase Microplate Assay Kit

CATALOG # AAA261565	REACTIVITY General	APPLICATIONS Functional Assay
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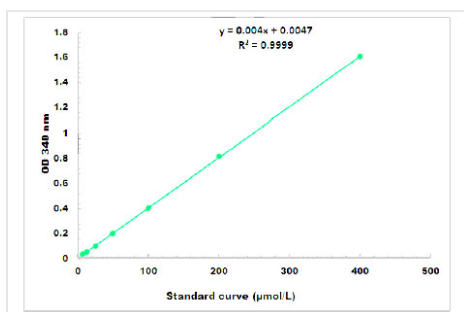
PRODUCT SYNONYMS

Glutamate Dehydrogenase; Glutamate Dehydrogenase Microplate Assay Kit; EC 1.4.1.2; Glutamate dehydrogenase; Glutamic dehydrogenase; GLDH; gdh1 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	411
Samples	Tissue extracts, cell lysate samples
Detection Range	4 umol/L - 400 umol/L
Applicable Applications for gdh1 assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for gdh1 assay kit

Background/Introduction: Glutamate Dehydrogenase (GDH) is a mitochondrial enzyme that catalyzes the reversible oxidative deamination of glutamate to α-ketoglutarate and serves as a key link between anabolic and catabolic pathways. In mammals, GDH is subject to allosteric regulation and has high activity in liver, kidney, brain, and pancreas. GDH activity in serum can be used to differentiate between liver diseases due to liver inflammation, which do not show elevated serum GDH activity, and diseases that result in hepatocyte necrosis, which results in elevated serum GDH. The assay is initiated with the enzymatic catalysis of NH_4^+ , α-ketoglutaric acid and NADH by GDH. NADH can be measured at a colorimetric readout at 340 nm.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/general-assay-kits/glutamate-dehydrogenase/261565>