

Rat Glycine Dehydrogenase (GLDC) ELISA Kit | GLDC elisa kit

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CATALOG #
AAA68255

REACTIVITY
Rat

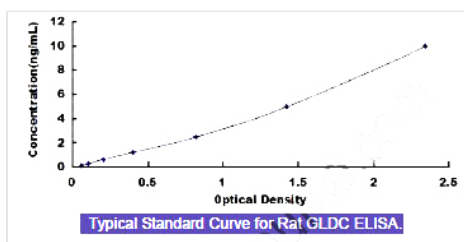
PRODUCT SYNONYMS

Glycine Dehydrogenase (GLDC); Rat Glycine Dehydrogenase (GLDC) ELISA Kit; GLDC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GLDC. No significant cross-reactivity or interference between GLDC and analogues was observed.
Sequence Length	884
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GLDC 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 GLDC 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 GLDC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GLDC in rat Tissue homogenates, cell lysates and other biological fluids Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GLDC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GLDC. 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 GLDC, 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 GLDC in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157817498
NCBI GeneID	309312
NCBI Accession #	NP_001101053.1
NCBI GenBank Nucleotide #	NM_001107583.1
UniProt Accession #	D4A5Q9
Molecular Weight	98,548 Da
NCBI Official Full Name	glycine dehydrogenase (decarboxylating), mitochondrial
NCBI Official Synonym Full Names	glycine decarboxylase
NCBI Official Symbol	Gldc
NCBI Protein Information	glycine dehydrogenase (decarboxylating), mitochondrial
UniProt Protein Name	Glycine decarboxylase (Predicted), isoform CRA_a
UniProt Gene Name	Gldc

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.