

Human Glycine Dehydrogenase (GLDC) CLIA Kit | GLDC clia kit

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CATALOG #
AAA130263

REACTIVITY
Human

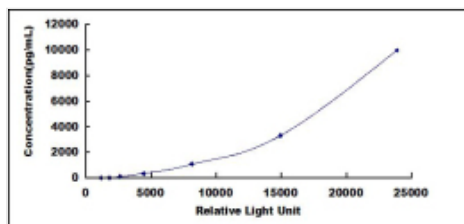
PRODUCT SYNONYMS

Glycine Dehydrogenase (GLDC); Human Glycine Dehydrogenase (GLDC) CLIA Kit; GCSP; NKH; Decarboxylating; Glycine Decarboxylase; Glycine Cleavage System Protein P; Glycine dehydrogenase (aminomethyl-transferring); GLDC clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycine Dehydrogenase (GLDC). No significant cross-reactivity or interference between Glycine Dehydrogenase (GLDC) and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	4.7pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glycine Dehydrogenase (GLDC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glycine Dehydrogenase (GLDC) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLDC clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Glycine Dehydrogenase (GLDC). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Glycine Dehydrogenase (GLDC). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Glycine Dehydrogenase (GLDC) level in the sample or standard.;
Product Categories/Family for GLDC clia kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	297560436
NCBI GeneID	9245323
NCBI Accession #	YP_003679410.1
NCBI GenBank Nucleotide #	NC_014210.1
NCBI Official Full Name	glycine dehydrogenase

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://stage.aaabiotech.com/human-clia-kits/glycine-dehydrogenase-gldc/130263>