

Rat Glycogen Phosphorylase, Liver (PYGL) ELISA Kit | PYGL elisa kit

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CATALOG #
AAA137044

REACTIVITY
Rat

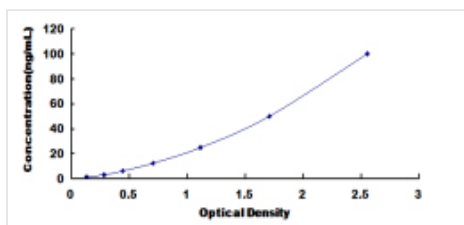
PRODUCT SYNONYMS

Glycogen Phosphorylase; Liver (PYGL); Rat Glycogen Phosphorylase; Liver (PYGL) ELISA Kit; GPLL; GPBB; Hers Disease; Glycogen Storage Disease Type VI; PYGL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycogen Phosphorylase, Liver (PYGL). No significant cross-reactivity or interference between Glycogen Phosphorylase, Liver (PYGL) and analogues was observed.
Sequence Length	854
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.56ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glycogen Phosphorylase, Liver (PYGL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glycogen Phosphorylase, Liver (PYGL) 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 PYGL elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glycogen Phosphorylase, Liver (PYGL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glycogen Phosphorylase, Liver (PYGL). 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 Glycogen Phosphorylase, Liver (PYGL), 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 Glycogen Phosphorylase, Liver (PYGL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PYGL elisa kit	Enzyme & Kinase; Metabolic pathway; Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	178056753
NCBI GeneID	100141306
NCBI Accession #	NP_001116644.1
NCBI GenBank Nucleotide #	NM_001123172.1
NCBI Official Full Name	glycogen phosphorylase, liver form
NCBI Official Symbol	PYGL
NCBI Protein Information	glycogen phosphorylase, liver form

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/rat-elisa-kits/glycogen-phosphorylase-liver-pygl/137044>