

Rat Glycogen Phosphorylase, Liver ELISA Kit | PYGL elisa kit

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CATALOG #
AAA87117

REACTIVITY
Rat

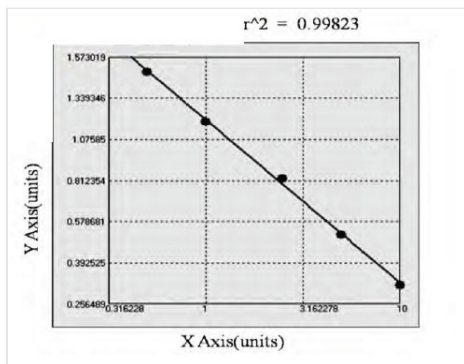
PRODUCT SYNONYMS

Glycogen Phosphorylase; Liver; Rat Glycogen Phosphorylase; Liver ELISA Kit; PYGL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PYGL ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PYGL. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PYGL elisa kit

Principle of the Assay: PYGL ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PYGL antibody and an PYGL-HRP conjugate. The assay sample and buffer are incubated together with PYGL-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PYGL concentration since PYGL from samples and PYGL-HRP conjugate compete for the anti-PYGL antibody binding site. Since the number of sites is limited, as more sites are occupied by PYGL from the sample, fewer sites are left to bind PYGL-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PYGL concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40675618
NCBI GeneID	5836
Molecular Weight	93,134 Da
NCBI Official Full Name	PYGL protein, partial
NCBI Official Synonym Full Names	phosphorylase, glycogen, liver
NCBI Official Symbol	PYGL
NCBI Official Synonym Symbols	GSD6
NCBI Protein Information	glycogen phosphorylase, liver form
UniProt Protein Name	Glycogen phosphorylase, liver form
UniProt Gene Name	PYGL
UniProt Entry Name	PYGL_HUMAN

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/pygl-rat-elisa-kits/glycogen-phosphorylase-liver/87117>