

Rat Glycogen Phosphorylase, Muscle ELISA Kit | PYGM elisa kit

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CATALOG #
AAA87655

REACTIVITY
Rat

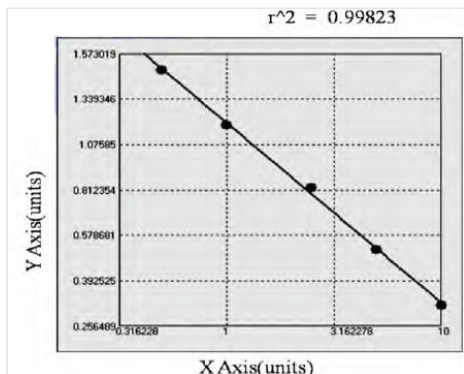
PRODUCT SYNONYMS

Glycogen Phosphorylase; Muscle; Rat Glycogen Phosphorylase; Muscle ELISA Kit; PYGM 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 PYGM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PYGM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for PYGM elisa kit

Principle of the Assay: PYGM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PYGM antibody and an PYGM-HRP conjugate. The assay sample and buffer are incubated together with PYGM-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 PYGM concentration since PYGM from samples and PYGM-HRP conjugate compete for the anti-PYGM antibody binding site. Since the number of sites is limited, as more sites are occupied by PYGM from the sample, fewer sites are left to bind PYGM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PYGM concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032009
NCBI GeneID	5837
NCBI Accession #	NP_005600.1
NCBI GenBank Nucleotide #	NM_005609.2
Molecular Weight	87,317 Da
NCBI Official Full Name	glycogen phosphorylase, muscle form isoform 1
NCBI Official Synonym Full Names	phosphorylase, glycogen, muscle
NCBI Official Symbol	PYGM
NCBI Protein Information	glycogen phosphorylase, muscle form; myophosphorylase
UniProt Protein Name	Glycogen phosphorylase, muscle form
UniProt Gene Name	PYGM
UniProt Entry Name	PYGM_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/pygm-rat-elisa-kits/glycogen-phosphorylase-muscle/87655>