

Rat Glycogen Phosphorylase, Muscle (PYGM) RTU ELISA Kit | PYGM rtu elisa kit

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CATALOG #
AAA218091

REACTIVITY
Rat

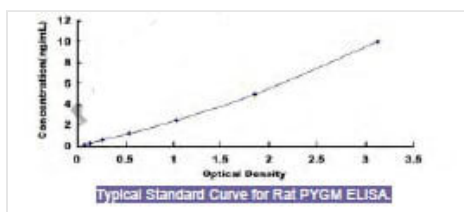
PRODUCT SYNONYMS

Glycogen Phosphorylase; Muscle (PYGM); Rat Glycogen Phosphorylase; Muscle (PYGM) ELISA Kit; GPMM; Phosphorylase; Glycogen; McArdle Syndrome; Glycogen Storage Disease Type V; Myophosphorylase; PYGM rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PYGM. No significant cross-reactivity or interference between PYGM and analogues was observed.
Sequence Length	842
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PYGM 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 PYGM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PYGM rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PYGM in rat tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PYGM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PYGM. 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 PYGM, 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 PYGM 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 #	1730556
NCBI GeneID	24701
UniProt Accession #	P09812
Molecular Weight	97,273 Da
NCBI Official Full Name	Glycogen phosphorylase, muscle form
NCBI Official Synonym Full Names	glycogen phosphorylase, muscle associated
NCBI Official Symbol	Pygm
NCBI Official Synonym Symbols	Muscpho
NCBI Protein Information	glycogen phosphorylase, muscle form
UniProt Protein Name	Glycogen phosphorylase, muscle form
UniProt Gene Name	Pygm

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.