

Human Glycogen Phosphorylase, Muscle Form (PYGM) ELISA Kit | PYGM elisa kit

Human Glycogen Phosphorylase, Muscle Form (PYGM) ELISA Kit

CATALOG #
AAA331200

REACTIVITY
Human

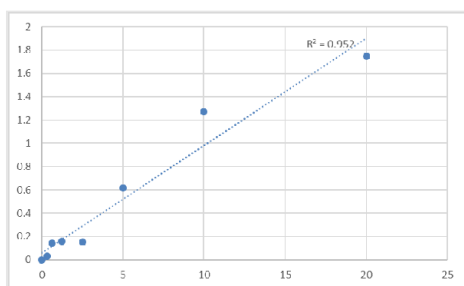
PRODUCT SYNONYMS

Glycogen Phosphorylase; Muscle Form (PYGM); Human Glycogen Phosphorylase; Muscle Form (PYGM) ELISA Kit; PYGM; muscle glycogen phosphorylase; myophosphorylase; PYGM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Glycogen phosphorylase, muscle form (PYGM) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYGM. No significant cross-reactivity or interference between Human PYGM and analogues was observed.
Sequence Length	842
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Glycogen phosphorylase, muscle form (PYGM) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PYGM elisa kit	Description: This Human Glycogen phosphorylase, muscle form (PYGM) ELISA Kit employs a two-site sandwich ELISA to quantitate PYGM in samples. An antibody specific for PYGM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYGM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYGM is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PYGM bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mutations in the muscle isoform of glycogen phosphorylase (PYGM) are associated with McArdle disease (glycogen storage disease type V). More than 65 mutations in the PYGM gene that lead to McArdle disease have been identified to date.Gautron et al. (1987) isolated muscle phosphorylase cDNA clones from a human cDNA library. Northern blot experiments revealed 1 specific mRNA of 3.4 kb found uniquely in tissues expressing muscle phosphorylase. The muscle glycogen phosphorylase protein comprises 842 amino acids (Kubisch et al., 1998).Burke et al. (1987) determined the intron/exon structure of the PYGM gene. Kubisch et al. (1998) provided a revised genomic structure for the PYGM gene, which contains 20 exons.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	5032009
NCBI GeneID	5837
NCBI Accession #	NP_005600.1
NCBI GenBank Nucleotide #	NP_005600.1
UniProt Accession #	P11217
NCBI Official Full Name	glycogen phosphorylase, muscle form isoform 1
NCBI Official Synonym Full Names	glycogen phosphorylase, muscle associated
NCBI Official Symbol	PYGM
NCBI Protein Information	glycogen phosphorylase, muscle form
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/human-elisa-kits/glycogen-phosphorylase-muscle-form-pygm/331200>