

Human Glycogen Phosphorylase (GP) ELISA Kit | GP elisa kit

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CATALOG #
AAA331201

REACTIVITY
Human

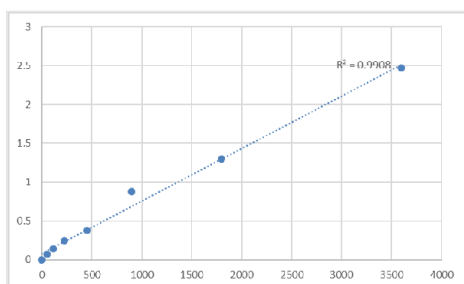
PRODUCT SYNONYMS

Glycogen Phosphorylase (GP); Human Glycogen Phosphorylase (GP) ELISA Kit; PYGL; GSD6; liver glycogen phosphorylase; GP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Glycogen phosphorylase (GP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYGL. No significant cross-reactivity or interference between Human PYGL and analogues was observed.
Sequence Length	248
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 (GP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for GP elisa kit	Description: This Human Glycogen phosphorylase (GP) ELISA Kit employs a two-site sandwich ELISA to quantitate PYGL in samples. An antibody specific for PYGL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYGL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYGL 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 PYGL bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Glycogen phosphorylase is one of the phosphorylase enzymes (EC 2.4.1.1). Glycogen phosphorylase catalyzes the rate-limiting step in glycogenolysis in animals by releasing glucose-1-phosphate from the terminal alpha-1,4-glycosidic bond. Glycogen phosphorylase is also studied as a model protein regulated by both reversible phosphorylation and allosteric effects
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40675618
NCBI GeneID	5836
UniProt Accession #	P06737
NCBI Official Full Name	PYGL protein, partial
NCBI Official Synonym Full Names	glycogen phosphorylase L
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.