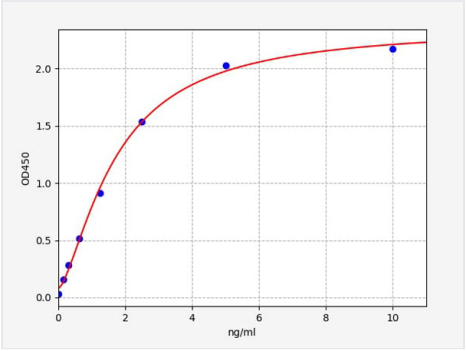
PGM1 (Phosphoglucomutase-1) (PGM1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	PGM1 (Phosphoglucomutase-1), ELISA Kit
Full Product Name	Human PGM1 (Phosphoglucomutase-1) ELISA Kit
Product Gene Name	PGM1 elisa kit
Product Synonym Names	Glucose phosphomutase 1; PGM 1; PGM1; phosphoglucomutase 1
Species Reactivity	Human
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C
OMIM	171900
3D Structure	ModBase 3D Structure for P36871
Intra Assay	CV<8%
Inter Assay	CV<10%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for PGM1 elisa kit	MBS7607898 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the PGM1 (Phosphoglucomutase-1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PGM1. The ELISA analytical biochemical technique of the MBS7607898 kit is based on PGM1 antibody-PGM1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PGM1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PGM1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PGM1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of PGM1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PGM1. It may not necessarily be applicable to this product.

NCBI GI #	290463102
NCBI GeneID	5236
NCBI Accession #	NP_001166289.1
UniProt Primary Accession #	P36871
UniProt Related Accession #	P36871
GenBank Nucleotide #	NP_001166289.1
NCBI Official Full Name	phosphoglucomutase-1 isoform 2
NCBI Official Synonym Full Names	phosphoglucomutase 1
NCBI Official Symbol	PGM1
NCBI Official Synonym Symbols	CDG1T; GSD14
UniProt Protein Name	Phosphoglucomutase-1
UniProt Synonym Protein Names	Glucose phosphomutase 1
Protein Family	Phosphoglucomutase
UniProt Gene Name	PGM1
UniProt Synonym Gene Names	PGM 1
UniProt Entry Name	PGM1_HUMAN
NCBI Protein Information	phosphoglucomutase-1
NCBI Summary for PGM1	The protein encoded by this gene is an isozyme of phosphoglucomutase (PGM) and belongs to the phosphohexose mutase family. There are several PGM isozymes, which are encoded by different genes and catalyze the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, this PGM isozyme is predominant, representing about 90% of total PGM activity. In red cells, PGM2 is a major isozyme. This gene is highly polymorphic. Mutations in this gene cause glycogen storage disease type 14. Alternativley spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Mar 2010]
UniProt Comments for PGM1	This enzyme participates in both the breakdown and synthesis of glucose.
Research Articles on PGM1	**1.** c.405delT encodes a truncated protein with abnormal distribution and expression in skeletal muscle.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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