

Human Phosphoglucomutase-1 (PGM1) ELISA Kit | PGM1 elisa kit

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CATALOG #
AAA331403

REACTIVITY
Human

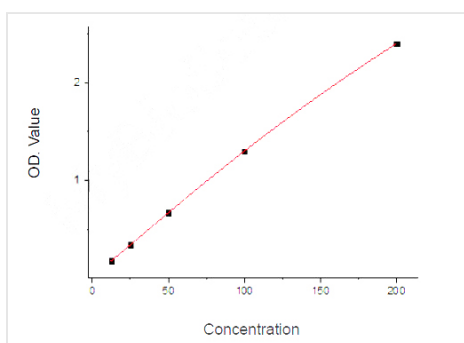
PRODUCT SYNONYMS

Phosphoglucomutase-1 (PGM1); Human Phosphoglucomutase-1 (PGM1) ELISA Kit; PGM1; GSD14; PGM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphoglucomutase-1 (PGM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PGM1. No significant cross-reactivity or interference between Human PGM1 and analogues was observed.
Sequence Length	580
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	12.5 ng/L - 200 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGM1 elisa kit	Background: Phosphoglucomutase 1 (PGM1), the first enzyme in glycogenesis that catalyzes the reversible conversion between glucose 1-phosphate (G-1-P) and glucose 6-phosphate (G-6-P), participates in both the breakdown and synthesis of glycogen. Principle of the Assay: Human Phosphoglucomutase-1 (PGM1) ELISA Kit employs a two-site sandwich ELISA to quantitate PGM1 in samples. An antibody specific for PGM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PGM1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PGM1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PGM1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	290463102
NCBI GeneID	5236
NCBI Accession #	NP_001166289.1
NCBI GenBank Nucleotide #	NP_001166289.1
UniProt Accession #	P36871
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
NCBI Protein Information	phosphoglucomutase-1
UniProt Protein Name	Phosphoglucomutase-1
UniProt Gene Name	PGM1
UniProt Synonym Gene Names	PGM 1
UniProt Entry Name	PGM1_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.