

Human Phosphoglycerate Mutase 1 (PGAM1) ELISA Kit | PGAM1 elisa kit

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CATALOG #
AAA331410

REACTIVITY
Human

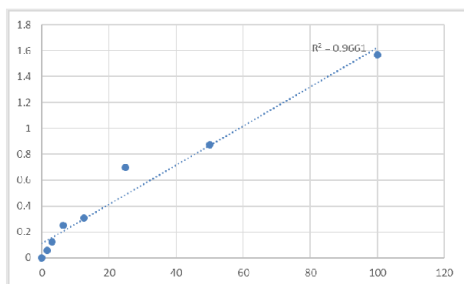
PRODUCT SYNONYMS

Phosphoglycerate Mutase 1 (PGAM1); Human Phosphoglycerate Mutase 1 (PGAM1) ELISA Kit; PGAM1; RP11-452K12.8; PGAM-B; PGAMA; BPG-dependent PGAM 1; phosphoglycerate mutase 1; phosphoglycerate mutase A; nonmuscle form; PGAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphoglycerate mutase 1 (PGAM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PGAM1. No significant cross-reactivity or interference between Human PGAM1 and analogues was observed.
Sequence Length	254
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 Phosphoglycerate mutase 1 (PGAM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PGAM1 elisa kit	Description: This Human Phosphoglycerate mutase 1 (PGAM1) ELISA Kit employs a two-site sandwich ELISA to quantitate PGAM1 in samples. An antibody specific for PGAM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PGAM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PGAM1 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 PGAM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Phosphoglyceric acid mutase is widely distributed in mammalian tissues where it catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The fact that the PGAMA and GOT1 loci are linked in the mouse supports the assignment of PGAMA to human chromosome 10. PGAM is a dimeric enzyme containing, in different tissues, different proportions of a muscle (MM) isozyme, a brain (BB) isozyme, and a hybrid form (MB). Electrophoresis of normal adult human muscle PGAM shows marked predominance of the MM band with only faint BB and MB bands. In most other human tissues, including brain, liver, erythrocytes, and leukocytes, PGAM-BB is the only demonstrable isozyme. In cardiac muscle extracts, all 3 bands are seen, although PGAM-MM predominates.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130348
NCBI GeneID	5223
UniProt Accession #	P18669
NCBI Official Full Name	Phosphoglycerate mutase 1
NCBI Official Synonym Full Names	phosphoglycerate mutase 1
NCBI Official Symbol	PGAM1
NCBI Official Synonym Symbols	PGAMA; PGAM-B; HEL-S-35
NCBI Protein Information	phosphoglycerate mutase 1
UniProt Protein Name	Phosphoglycerate mutase 1
UniProt Gene Name	PGAM1
UniProt Synonym Gene Names	PGAMA; PGAM-B
UniProt Entry Name	PGAM1_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.