

Human Phosphoglycerate Mutase 1 ELISA Kit | PGAM1 elisa kit

Human Phosphoglycerate Mutase 1 ELISA Kit

CATALOG #
AAA99803

REACTIVITY
Human

PRODUCT SYNONYMS

Phosphoglycerate Mutase 1; Human Phosphoglycerate Mutase 1 ELISA Kit; PGAM1/CDABP0006/PGAMA/PGAM-B/BPG-dependent PGAM 1/Phosphoglycerate mutase isozyme B; PGAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PGAM1 . No significant cross-reactivity or interference between PGAM1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross - reactivity detection between PGAM1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	254
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PGAM1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PGAM1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a PGAM1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A/not applicable)

X	ng/ml	0	0.781	1.562	3.125	6.25	12.5	25	50
Y	OD450	0.049	0.104	0.134	0.238	0.426	0.788	1.512	2.472

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGAM1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PGAM1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- PGAM1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PGAM1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PGAM1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	924183757
NCBI GeneID	24642
NCBI Accession #	NP_445742.2
NCBI GenBank Nucleotide #	NM_053290.2
Molecular Weight	28,832 Da
NCBI Official Full Name	phosphoglycerate mutase 1
NCBI Official Synonym Full Names	phosphoglycerate mutase 1
NCBI Official Symbol	Pgam1
NCBI Official Synonym Symbols	Pgmut; PGAM-B
NCBI Protein Information	phosphoglycerate mutase 1
UniProt Protein Name	Phosphoglycerate mutase 1
UniProt Gene Name	Pgam1
UniProt Synonym Gene Names	PGAM-B
UniProt Entry Name	PGAM1_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/pgam1-human-elisa-kits/phosphoglycerate-mutase-1/99803>