

Mouse Phosphoglycerate Kinase 1 (PGK1) ELISA Kit | PGK1 elisa kit

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CATALOG #
AAA189853

REACTIVITY
Mouse

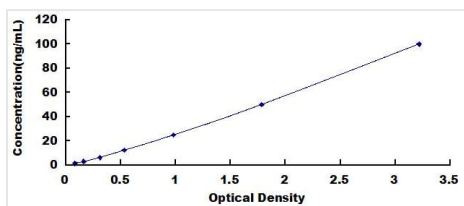
PRODUCT SYNONYMS

Phosphoglycerate Kinase 1 (PGK1); Mouse Phosphoglycerate Kinase 1 (PGK1) ELISA Kit; MIG10; PGKA; PRP 2; Cell migration-inducing gene 10 protein; Primer recognition protein 2; PGK1/Phosphoglycerate Kinase 1; PGK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PGK1. No significant cross-reactivity or interference between PGK1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.56ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PGK1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PGK1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGK1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PGK1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PGK1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PGK1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PGK1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PGK1 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for PGK1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	70778976
NCBI GeneID	18655
NCBI Accession #	NP_032854.2
NCBI GenBank Nucleotide #	NM_008828.3
UniProt Accession #	P09411; Q3TPE6; Q3UKV8; Q5XJE7
Molecular Weight	44,550 Da
NCBI Official Full Name	phosphoglycerate kinase 1
NCBI Official Synonym Full Names	phosphoglycerate kinase 1
NCBI Official Symbol	Pgk1
NCBI Official Synonym Symbols	Pgk-1
NCBI Protein Information	phosphoglycerate kinase 1
UniProt Protein Name	Phosphoglycerate kinase 1
UniProt Gene Name	Pgk1
UniProt Synonym Gene Names	Pgk-1
UniProt Entry Name	PGK1_MOUSE

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/mouse-elisa-kits/phosphoglycerate-kinase-1-pgk1/189853>