

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

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CATALOG #
AAA331406

REACTIVITY
Human

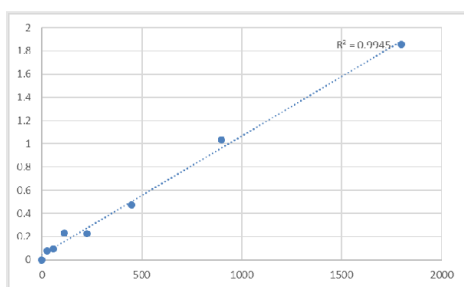
PRODUCT SYNONYMS

Phosphoglycerate Kinase 1 (PGK1); Human Phosphoglycerate Kinase 1 (PGK1) ELISA Kit; PGK1; RP4-570L12.1; MGC117307; MGC142128; MGC8947; MIG10; PGKA; cell migration-inducing gene 10 protein; primer recognition protein 2; PGK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphoglycerate kinase 1 (PGK1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PGK1. No significant cross-reactivity or interference between Human PGK1 and analogues was observed.
Sequence Length	417
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 kinase 1 (PGK1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PGK1 elisa kit	Description: This Human Phosphoglycerate kinase 1 (PGK1) ELISA Kit employs a two-site sandwich ELISA to quantitate PGK1 in samples. An antibody specific for PGK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PGK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PGK1 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 PGK1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The Phosphoglycerate Kinase 1 is a glycolytic enzyme that catalyzes the conversion of 1,3-diphosphoglycerate to 3-phosphoglycerate. The encoded protein may also act as a cofactor for polymerase alpha. This gene lies on the X-chromosome, while a related pseudogene also has been found on the X-chromosome and another on chromosome 19. PGK1 is distinguished from testicular PGK2, which maps to chromosome 6p21. The deduced protein contains 417 amino acid residues. Southern blot analysis of human genomic DNAs showed a complex pattern of hybridizing fragments, 2 of which were non-X in origin. The results were interpreted as reflecting the existence of a small family of dispersed PGK or PGK-like genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	52788229
NCBI GeneID	5230
UniProt Accession #	P00558
NCBI Official Full Name	Phosphoglycerate kinase 1
NCBI Official Synonym Full Names	phosphoglycerate kinase 1
NCBI Official Symbol	PGK1
NCBI Official Synonym Symbols	PGKA; MIG10; HEL-S-68p
NCBI Protein Information	phosphoglycerate kinase 1
UniProt Protein Name	Phosphoglycerate kinase 1
UniProt Gene Name	PGK1
UniProt Synonym Gene Names	PGKA; PRP 2
UniProt Entry Name	PGK1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/phosphoglycerate-kinase-1-pgk1/331406>