

Human Phosphoglycee kinase 1 (PGK1) ELISA Kit | PGK1 elisa kit

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CATALOG #
AAA247207

REACTIVITY
Human

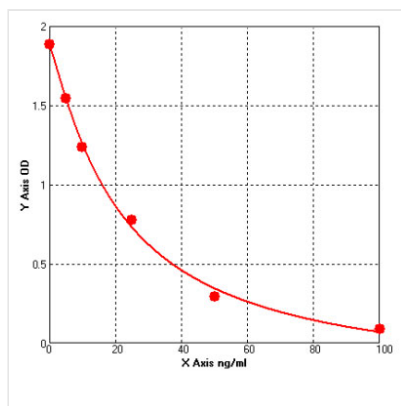
PRODUCT SYNONYMS

Phosphoglycee kinase 1 (PGK1); Human Phosphoglycee kinase 1 (PGK1) ELISA Kit; PGK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PGK1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	417
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGK1 elisa kit	Principle of the Assay: PGK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PGK1 antibody and an PGK1-HRP conjugate. The assay sample and buffer are incubated together with PGK1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PGK1 concentration since PGK1 from samples and PGK1-HRP conjugate compete for the anti-PGK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PGK1 from the sample, fewer sites are left to bind PGK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PGK1 concentration in each sample is interpolated from this standard curve. Intended Uses: This PGK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PGK1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505763
NCBI GeneID	5230
NCBI Accession #	NP_000282.1
NCBI GenBank Nucleotide #	NM_000291.3
UniProt Accession #	P00558; Q5J7W1; Q6IBT6; Q8NI87; A8K4W6; B7Z7A9
Molecular Weight	41,429 Da
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

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.