

Human PCK1 ELISA Kit | PCK1 elisa kit

Human PCK1 (Phosphoenolpyruvate Carboxykinase 1) ELISA Kit

CATALOG #
AAA163587

REACTIVITY
Human

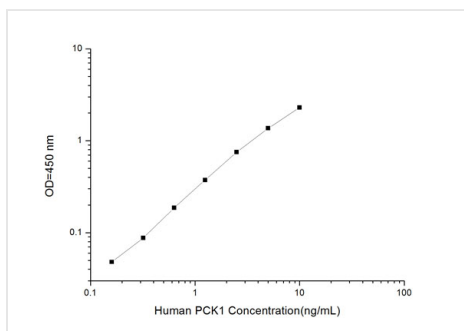
PRODUCT SYNONYMS

PCK1; Human PCK1 (Phosphoenolpyruvate Carboxykinase 1) ELISA Kit; PCK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PCK1. No significant cross-reactivity or interference between Human PCK1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human PCK1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	622
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCK1 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PCK1 in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human PCK1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human PCK1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human PCK1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human PCK1. You can calculate the concentration of Human PCK1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187281517
NCBI GeneID	5105
NCBI Accession #	NP_002582.3
NCBI GenBank Nucleotide #	NM_002591.3
UniProt Accession #	P35558; Q8TCA3; Q9UJD2; A8K437; B4DT64
Molecular Weight	34,156 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase, cytosolic
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 1 (soluble)
NCBI Official Symbol	PCK1
NCBI Official Synonym Symbols	PEPCK1; PEPCKC; PEPCK-C
NCBI Protein Information	phosphoenolpyruvate carboxykinase, cytosolic [GTP]; phosphoenolpyruvate carboxykinase, cytosolic [GTP]; PEP carboxykinase; phosphoenolpyruvate carboxylase; phosphopyruvate carboxylase
UniProt Protein Name	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Gene Name	PCK1
UniProt Synonym Gene Names	PEPCK1; PEPCK-C
UniProt Entry Name	PCKGC_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.