

Mouse phosphoenolpyruvate carboxykinase 1 (soluble) ELISA Kit | PCK1 elisa kit

Mouse phosphoenolpyruvate carboxykinase, PCK ELISA Kit

CATALOG #
AAA79614

REACTIVITY
Mouse

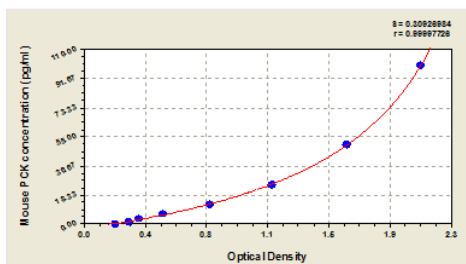
PRODUCT SYNONYMS

phosphoenolpyruvate carboxykinase 1 (soluble); Mouse phosphoenolpyruvate carboxykinase; PCK ELISA Kit; MGC22652; PEPCK-C; PEPCK1; PEPCKC; PEP carboxykinase; cytosolic phosphoenolpyruvate carboxykinase 1; phosphoenolpyruvate carboxylase; phosphopyruvate carboxylase; PCK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse PCK1. No significant cross-reactivity or interference between Mouse PCK1 and analogues was observed.
Sequence Length	622
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	1.56 pg/ml-100 pg/ml
Sensitivity	0.39 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	glyconeogenesis and glycometabolism
Protein Biological Process 3	Gluconeogenesis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCK1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PCK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PCK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PCK is added to the wells. After washing, avidin 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 PCK bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7110683
NCBI GeneID	18534
NCBI Accession #	NP_035174.1
NCBI GenBank Nucleotide #	NM_011044.2
UniProt Accession #	Q9Z2V4; Q3UEH3
Molecular Weight	69,355 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase, cytosolic
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 1, cytosolic
NCBI Official Symbol	Pck1
NCBI Official Synonym Symbols	PEPCK; Pck-1; AI265463
NCBI Protein Information	phosphoenolpyruvate carboxykinase, cytosolic [GTP]; phosphoenolpyruvate carboxykinase, cytosolic [GTP]; PEPCK-C; phosphoenolpyruvate carboxylase
UniProt Protein Name	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Gene Name	Pck1
UniProt Synonym Gene Names	Pepck; PEPCK-C
UniProt Entry Name	PCKGC_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pck1-mouse-elisa-kits/phosphoenolpyruvate-carboxykinase-1-soluble/79614>