

Chicken Phosphoenolpyruvate carboxykinase [GTP], mitochondrial ELISA Kit | PCK2 elisa kit

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CATALOG #
AAA56482

REACTIVITY
Chicken

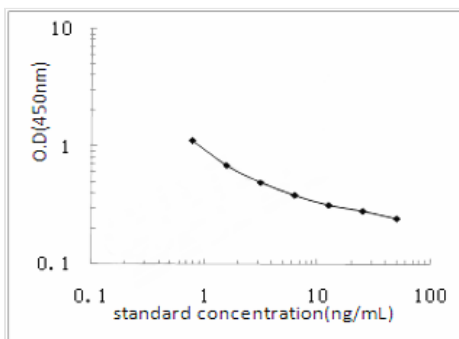
PRODUCT SYNONYMS

Phosphoenolpyruvate carboxykinase [GTP]; mitochondrial; Chicken Phosphoenolpyruvate carboxykinase [GTP]; mitochondrial ELISA Kit; PCK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay recognizes recombinant and natural Chicken PEPCK-M. No significant cross-reactivity or interference was observed.
Sequence Length	10
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Assay Type	Competitive
Detection Range	0.78-50.0 ng/ml.
Intended Uses	This immunoassay kit allows for the in vitro quantitative determination of chicken PEPCK-M concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCK2 elisa kit

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to PEPCK-M. During the reaction, PEPCK-M in the sample or standard competes with a fixed amount of biotin-labeled PEPCK-M for sites on a pre-coated Monoclonal antibody specific to PEPCK-M. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PEPCK-M in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45382653
NCBI GeneID	396457
NCBI Accession #	NP_990801.1
NCBI GenBank Nucleotide #	NM_205470.1
UniProt Accession #	P21642
Molecular Weight	71,106 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
NCBI Official Symbol	PCK2
NCBI Official Synonym Symbols	PEPCK-M
NCBI Protein Information	phosphoenolpyruvate carboxykinase [GTP], mitochondrial
UniProt Protein Name	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial
UniProt Gene Name	PCK2
UniProt Synonym Gene Names	PEPCK-M
UniProt Entry Name	PCKGM_CHICK

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/pck2-chicken-elisa-kits/phosphoenolpyruvate-carboxykinase-gtp-mitochondrial/56482>