

Rat Phosphoenolpyruvate Carboxykinase ELISA Kit | PCK elisa kit

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CATALOG #
AAA84370

REACTIVITY
Rat

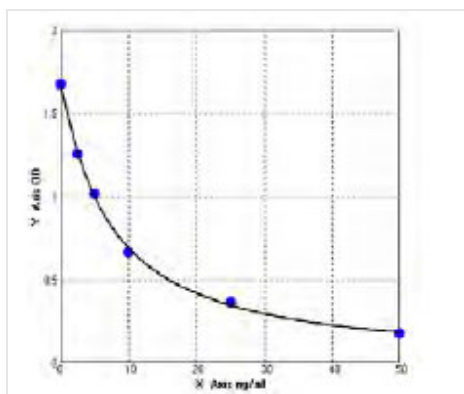
PRODUCT SYNONYMS

Phosphoenolpyruvate Carboxykinase; Rat Phosphoenolpyruvate Carboxykinase ELISA Kit; PCK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PCK elisa kit

Intended Uses: This PELI-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PELI-1. This ELISA kit for research use only!

Principle of the Assay: PELI-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PELI-1 antibody and an PELI-1-HRP conjugate. The assay sample and buffer are incubated together with PELI-1-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 PELI-1 concentration since PELI-1 from samples and PELI-1-HRP conjugate compete for the anti-PELI-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PELI-1 from the sample, fewer sites are left to bind PELI-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PELI-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	375148668
NCBI GeneID	11651428
NCBI Accession #	YP_005011109.1
NCBI GenBank Nucleotide #	NC_016609.1
Molecular Weight	58,923 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase
NCBI Official Symbol	Niako_5471
NCBI Protein Information	phosphoenolpyruvate carboxykinase
UniProt Protein Name	Phosphoenolpyruvate carboxykinase [ATP]
UniProt Gene Name	pckA
UniProt Synonym Gene Names	Niako_5471; PCK
UniProt Entry Name	G8TH96_NIAKG

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/pck-rat-elisa-kits/phosphoenolpyruvate-carboxykinase/84370>