

Rat Pyruvate carboxylase, mitochondrial, PC ELISA Kit | PC elisa kit

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CATALOG #
AAA123388

REACTIVITY
Rat

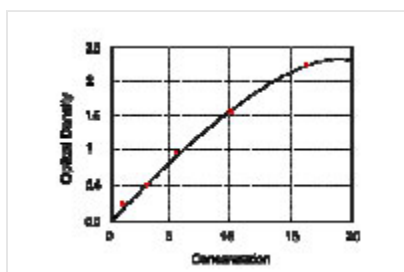
PRODUCT SYNONYMS

Pyruvate carboxylase; mitochondrial; PC; Rat Pyruvate carboxylase; PC ELISA Kit; PC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1178
Samples	Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15-3000ng/L
Sensitivity	7.36ng/L
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PC elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Pyruvate carboxylase, mitochondrial (also known as PC) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat PC antibody. PC present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat PC Antibody is added and binds to PC in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated PC antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat PC. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543464
NCBI GeneID	25104
NCBI GenBank Nucleotide #	NP_036876.2
UniProt Accession #	P52873
NCBI Official Full Name	pyruvate carboxylase, mitochondrial
NCBI Official Synonym Full Names	pyruvate carboxylase
NCBI Official Symbol	Pc
NCBI Official Synonym Symbols	Pcx
NCBI Protein Information	pyruvate carboxylase, mitochondrial
UniProt Protein Name	Pyruvate carboxylase, mitochondrial
UniProt Gene Name	Pc
UniProt Synonym Gene Names	PCB
UniProt Entry Name	PYC_RAT

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/rat-elisa-kits/pyruvate-carboxylase-mitochondrial-pc/123388>