

Chicken Pyruvate Carboxylase ELISA Kit | PC elisa kit

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CATALOG #
AAA247559

REACTIVITY
Chicken

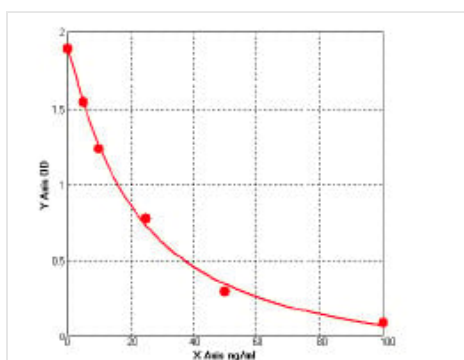
PRODUCT SYNONYMS

Pyruvate Carboxylase; Chicken Pyruvate Carboxylase ELISA Kit; PC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of PC. No significant cross-reactivity or interference between PC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PC and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	1178
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PC elisa kit	Intended Uses: This PC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PC. This ELISA kit for research use only! Principle of the Assay: PC ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PC antibody and an PC-HRP conjugate. The assay sample and buffer are incubated together with PC-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 PC concentration since PC from samples and PC-HRP conjugate compete for the anti-PC antibody binding site. Since the number of sites is limited, as more sites are occupied by PC from the sample, fewer sites are left to bind PC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PC concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PC elisa kit	Signal Transduction; Cancer; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	632808
NCBI GeneID	5091
Molecular Weight	57,925 Da
NCBI Official Full Name	pyruvate carboxylase
NCBI Official Synonym Full Names	pyruvate carboxylase
NCBI Official Symbol	PC
NCBI Official Synonym Symbols	PCB
NCBI Protein Information	pyruvate carboxylase, mitochondrial
UniProt Protein Name	Pyruvate carboxylase, mitochondrial
UniProt Gene Name	PC
UniProt Synonym Gene Names	PCB

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.