

Human Pyruvate Carboxylase, Mitochondrial (PC) ELISA Kit | PC elisa kit

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CATALOG #
AAA331466

REACTIVITY
Human

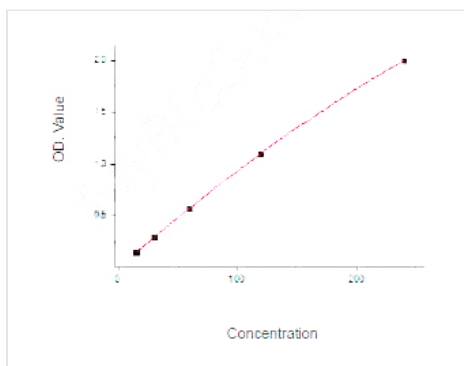
PRODUCT SYNONYMS

Pyruvate Carboxylase; Mitochondrial (PC); Human Pyruvate Carboxylase; Mitochondrial (PC) ELISA Kit; PC; PCB; PC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1178
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PC elisa kit

Principle of the Assay: Human Pyruvate carboxylase, mitochondrial (PC) ELISA Kit employs a two-site sandwich ELISA to quantitate PC in samples. An antibody specific for PC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PC present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PC detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PC bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Pyruvate carboxylase (PC) is a mitochondrial enzyme that catalyzes the ATP-dependent carboxylation of pyruvate to oxaloacetate (OAA), serving to replenish the tricarboxylic acid (TCA) cycle.

NCBI AND UNIPROT INFORMATION

NCBI GI #	106049295
NCBI GeneID	5091
NCBI Accession #	NP_000911.2

NCBI GenBank Nucleotide #	NP_000911.2
UniProt Accession #	P11498
NCBI Official Full Name	pyruvate carboxylase, mitochondrial
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
UniProt Entry Name	PYC_HUMAN

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/human-elisa-kits/pyruvate-carboxylase-mitochondrial-pc/331466>