

Bovine Phosphoenolpyruvate carboxykinase, cytosolic [GTP] ELISA Kit | PPCK1 elisa kit

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CATALOG #
AAA56535

REACTIVITY
Bovine

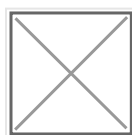
PRODUCT SYNONYMS

Phosphoenolpyruvate carboxykinase; cytosolic [GTP]; Bovine Phosphoenolpyruvate carboxykinase; cytosolic [GTP] ELISA Kit; PPCK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay recognizes recombinant and natural bovine PEPCK-C. No significant cross-reactivity or interference was observed.
Sequence Length	622
Samples	Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.
Detection Range	0.31 ng/ml -20.0 ng/ml.
Sensitivity	The minimum detectable dose of bovine PEPCK-C is typically less than 0.15 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero.
Intended Uses	This immunoassay kit allows for the in vitro quantitative determination of bovine PEPCK-C concentrations in serum, Plasma, tissue homogenates and 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 PPCK1 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PEPCK-C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for PEPCK-C and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain PEPCK-C, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. 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-C in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27807431
NCBI GeneID	282855

NCBI Accession #	NP_777162.1
NCBI GenBank Nucleotide #	NM_174737.2
UniProt Accession #	Q8HYZ4
Molecular Weight	69,353 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase, cytosolic
NCBI Official Symbol	PCK1
NCBI Official Synonym Symbols	PPCK1
NCBI Protein Information	phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Protein Name	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Gene Name	PCK1
UniProt Synonym Gene Names	PEPCK-C
UniProt Entry Name	PCKGC_BOVIN

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/ppck1-bovine-ovine-elisa-kits/phosphoenolpyruvate-carboxykinase-cytosolic-gtp/56535>