

Chicken Pyruvate Kinase A ELISA Kit | PKA elisa kit

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CATALOG #
AAA93404

REACTIVITY
Chicken

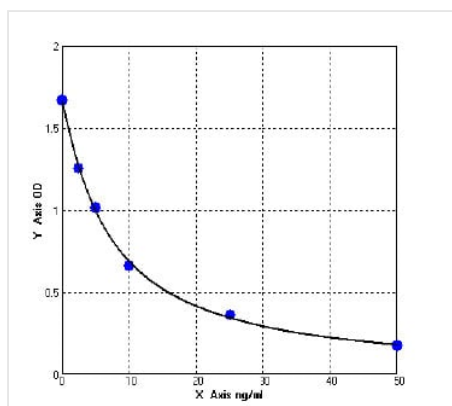
PRODUCT SYNONYMS

Pyruvate Kinase A; Chicken Pyruvate Kinase A ELISA Kit; PKA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of PKA. No significant cross-reactivity or interference between PKA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PKA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This PKA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PKA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKA elisa kit	Principle of the Assay: PKA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PKA antibody and an PKA-HRP conjugate. The assay sample and buffer are incubated together with PKA-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 PKA concentration since PKA from samples and PKA-HRP conjugate compete for the anti-PKA antibody binding site. Since the number of sites is limited, as more sites are occupied by PKA from the sample, fewer sites are left to bind PKA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKA concentration in each sample is interpolated from this standard curve. Intended Uses: This PKA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken PKA. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for PKA elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	33519904
NCBI GeneID	1499650
NCBI Accession #	NP_878736.1
NCBI GenBank Nucleotide #	NC_005061.1
Molecular Weight	53,835 Da
NCBI Official Full Name	pyruvate kinase A
NCBI Official Symbol	pykA
NCBI Protein Information	pyruvate kinase A
UniProt Protein Name	Pyruvate kinase
UniProt Gene Name	pykA
UniProt Synonym Gene Names	Bfl450
UniProt Entry Name	Q7VQY0_BLOFL

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/pka-chicken-elisa-kits/pyruvate-kinase-a/93404>