

Human Pyruvate Kinase A ELISA Kit | PKA elisa kit

Human Pyruvate Kinase A ELISA Kit

CATALOG #
AAA86386

REACTIVITY
Human

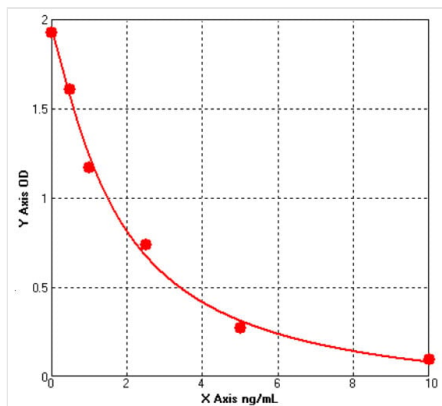
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PYKA. No significant cross-reactivity or interference between PYKA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PYKA 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
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: PYKA ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PYKA antibody and an PYKA-HRP conjugate. The assay sample and buffer are incubated together with PYKA-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 PYKA concentration since PYKA from samples and PYKA-HRP conjugate compete for the anti-PYKA antibody binding site. Since the number of sites is limited, as more sites are occupied by PYKA from the sample, fewer sites are left to bind PYKA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PYKA concentration in each sample is interpolated from this standard curve. Intended Uses: This PYKA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PYKA. This ELISA kit for research use only, not for therapeutic or test applications!
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	2916777
UniProt Accession #	O44020
Molecular Weight	40,225 Da
NCBI Official Full Name	PKA
UniProt Protein Name	PKA protein
UniProt Gene Name	PKA
UniProt Entry Name	O44020_PLAFA

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pka-human-elisa-kits/pyruvate-kinase-a/86386>