

Bovine Pyruvate Kinase A ELISA Kit | PKA elisa kit

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CATALOG #
AAA95816

REACTIVITY
Bovine

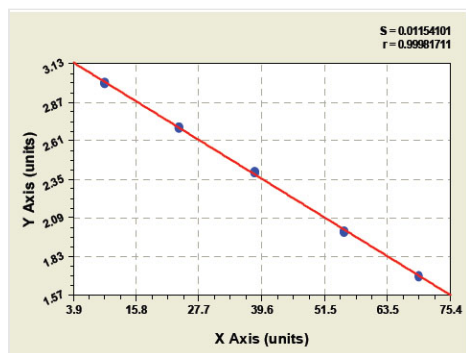
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PKA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PKA. This ELISA kit for research use only, not for therapeutic applications
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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 a monoclonal 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.
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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.