

Canine Pyruvate Kinase B ELISA Kit | PKB elisa kit

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CATALOG #
AAA89973

REACTIVITY
Canine

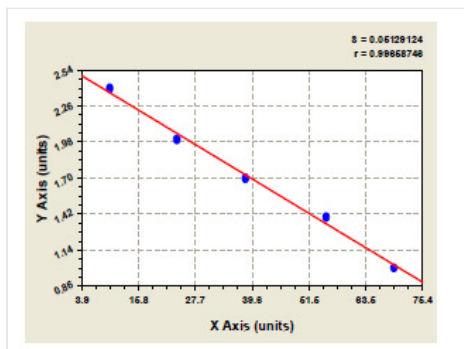
PRODUCT SYNONYMS

Pyruvate Kinase B; Canine Pyruvate Kinase B ELISA Kit; PKB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100pmol/L
Sensitivity	1.0pmol/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKB elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This PKB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PKB. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY PKB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PKB antibody and an PKB-HRP conjugate. The assay sample and buffer are incubated together with PKB-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 PKB concentration since PKB from samples and PKB-HRP conjugate compete for the anti-PKB antibody binding site. Since the number of sites is limited, as more sites are occupied by PKB from the sample, fewer sites are left to bind PKB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PKB concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24648964
NCBI GeneID	42620
NCBI Accession #	NP_732723.1
NCBI GenBank Nucleotide #	NM_170004.2
Molecular Weight	55,059 Da
NCBI Official Full Name	pyruvate kinase, isoform B
NCBI Official Synonym Full Names	Pyruvate kinase
NCBI Official Symbol	PyK
NCBI Official Synonym Symbols	CG7070; DmelCG7070; l(3)r[Q178]; Pyk; PYK
NCBI Protein Information	CG7070 gene product from transcript CG7070-RB; CG7070-PA; CG7070-PB; PyK-PA; PyK-PB; pyruvate kinase
UniProt Protein Name	Pyruvate kinase
UniProt Gene Name	PyK
UniProt Synonym Gene Names	CG7070; PK
UniProt Entry Name	KPYK_DROME

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.