

Mouse Pyruvate Kinase, Muscle (PKM2) ELISA Kit | PKM2 elisa kit

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CATALOG #
AAA64856

REACTIVITY
Mouse

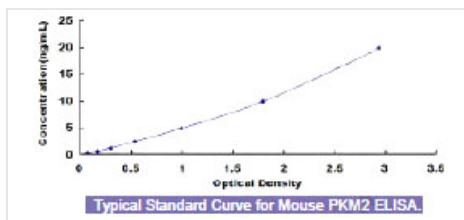
PRODUCT SYNONYMS

Pyruvate Kinase; Muscle (PKM2); Mouse Pyruvate Kinase; Muscle (PKM2) ELISA Kit; PROKR2; KAL3; GPR73L1; GPR73b; GPRg2; G Protein-Coupled receptor 73-Like 1; PKM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PKM2. No significant cross-reactivity or interference between PKM2 and analogues was observed.
Sequence Length	531
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.144ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PKM2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PKM2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKM2 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PKM2 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PKM2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PKM2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PKM2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PKM2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	359807367
NCBI GeneID	18746
NCBI Accession #	NP_001240812.1
NCBI GenBank Nucleotide #	NM_001253883.1
UniProt Accession #	P52480; Q3TBV8; Q3TBW5; Q3TC59; Q3U1X3; Q3U5P6; Q4VC20; Q64484; Q91YI8; Q9CWB1
Molecular Weight	57,985 Da
NCBI Official Full Name	pyruvate kinase PKM isoform M1
NCBI Official Synonym Full Names	pyruvate kinase, muscle
NCBI Official Symbol	Pkm
NCBI Official Synonym Symbols	Pk3; Pk-2; Pk-3; Pkm2; AA414905; AL024370; AL024424
NCBI Protein Information	pyruvate kinase PKM
UniProt Protein Name	Pyruvate kinase PKM
UniProt Gene Name	Pkm
UniProt Synonym Gene Names	Pk3; Pkm2; Pykm

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.