

Mouse Pantothenate Kinase 4 ELISA Kit | PANK4 elisa kit

Mouse Pantothenate Kinase 4 (PANK4) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190014

REACTIVITY
Mouse

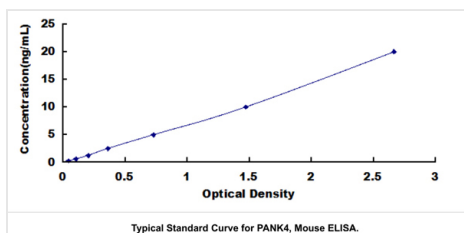
PRODUCT SYNONYMS

Pantothenate Kinase 4; Mouse Pantothenate Kinase 4 (PANK4) (Sandwich ELISA) ELISA Kit; Pantothenic acid kinase 4; ELISA Kit for Pantothenate Kinase 4 (PANK4); PANK4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PANK4. No significant cross-reactivity or interference between PANK4 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PANK4 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 PANK4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PANK4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PANK4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PANK4. 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 PANK4, 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 PANK4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PANK4 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for PANK4 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	802083995
NCBI GeneID	269614
NCBI Accession #	NP_001292733.1
NCBI GenBank Nucleotide #	NM_001305804.1
UniProt Accession #	Q80YV4; Q7M751; Q8BQE9; B1AZN5; B1AZN6
Molecular Weight	~86 kDa
NCBI Official Full Name	pantothenate kinase 4 isoform 1
NCBI Official Synonym Full Names	pantothenate kinase 4
NCBI Official Symbol	Pank4
NCBI Official Synonym Symbols	R75150; D030031I12Rik
NCBI Protein Information	pantothenate kinase 4
UniProt Protein Name	Pantothenate kinase 4
UniProt Gene Name	Pank4
UniProt Synonym Gene Names	mPank4

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.