

Human Adenylate Kinase 3 (AK3) ELISA Kit | AK3 elisa kit

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CATALOG #
AAA67193

REACTIVITY
Human

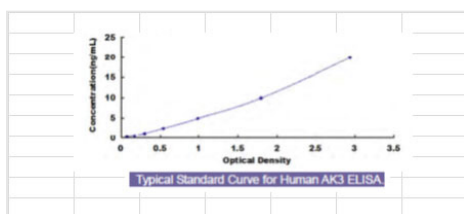
PRODUCT SYNONYMS

Adenylate Kinase 3 (AK3); Human Adenylate Kinase 3 (AK3) ELISA Kit; AK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AK3. No significant cross-reactivity or interference between AK3 and analogues was observed.
Sequence Length	187
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.146ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AK3 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 AK3 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 AK3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AK3 in Human 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 AK3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AK3. 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 AK3, 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 AK3 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 #	315434220
NCBI GeneID	50808
NCBI Accession #	NP_001186781.1
NCBI GenBank Nucleotide #	NM_001199852.1
UniProt Accession #	Q9UIJ7; Q5VYW6; Q9H576; Q9HC01; Q9NPB4; B4DP58; D3DRI1; E7ET30
Molecular Weight	21,014 Da
NCBI Official Full Name	GTP:AMP phosphotransferase AK3, mitochondrial isoform b
NCBI Official Synonym Full Names	adenylate kinase 3
NCBI Official Symbol	AK3
NCBI Official Synonym Symbols	AK6; FIX; AK3L1; AKL3L; AKL3L1
NCBI Protein Information	GTP:AMP phosphotransferase AK3, mitochondrial
UniProt Protein Name	GTP:AMP phosphotransferase AK3, mitochondrial
UniProt Gene Name	AK3
UniProt Synonym Gene Names	AK 3

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.