

Human Adenosine Kinase (ADK) ELISA Kit | ADK elisa kit

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CATALOG #
AAA66058

REACTIVITY
Human

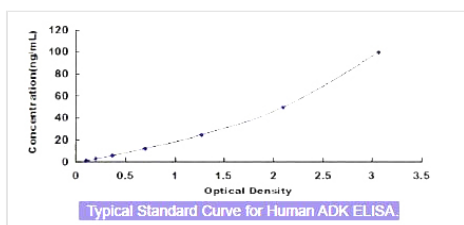
PRODUCT SYNONYMS

Adenosine Kinase (ADK); Human Adenosine Kinase (ADK) ELISA Kit; AK Adenosine 5'-Phosphotransferase; ADK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADK. No significant cross-reactivity or interference between ADK and analogues was observed.
Sequence Length	345
Samples	Human tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	< 0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ADK 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 ADK 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 ADK elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ADK in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ADK. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ADK. 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 ADK, 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 ADK 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 #	32484973
NCBI GeneID	132
NCBI Accession #	NP_001114.2
NCBI GenBank Nucleotide #	NM_001123.3
UniProt Accession #	P55263; O00741; O00742; Q16710; Q5JQ10; Q5JQ11; Q9BTN2; B7Z783; B7Z800
Molecular Weight	36,580 Da
NCBI Official Full Name	adenosine kinase isoform a
NCBI Official Synonym Full Names	adenosine kinase
NCBI Official Symbol	ADK
NCBI Official Synonym Symbols	AK
NCBI Protein Information	adenosine kinase
UniProt Protein Name	Adenosine kinase
UniProt Gene Name	ADK
UniProt Synonym Gene Names	AK

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.