

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

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CATALOG #
AAA67510

REACTIVITY
Mouse

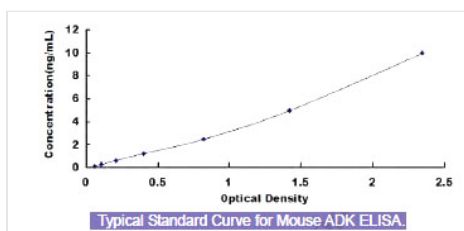
PRODUCT SYNONYMS

Adenosine Kinase (ADK); Mouse Adenosine Kinase (ADK) ELISA Kit; ADK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/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 in vitro quantitative measurement of ADK in mouse tissue homogenates and 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 #	339895909
NCBI GeneID	11534
NCBI Accession #	NP_001229970.1
NCBI GenBank Nucleotide #	NM_001243041.1
UniProt Accession #	P55264; Q6JAM3; Q91VJ3
Molecular Weight	38,452 Da
NCBI Official Full Name	adenosine kinase isoform 2
NCBI Official Synonym Full Names	adenosine kinase
NCBI Official Symbol	Adk
NCBI Official Synonym Symbols	Ak; AI255373; AI987814; 2310026J05Rik; 5033405D03Rik
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/adenosine-kinase-adk/67510>