

Human Aminoadipate Aminotransferase (AADAT) ELISA Kit | AADAT elisa kit

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CATALOG # AAA64630	REACTIVITY Human
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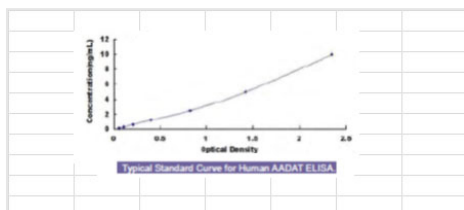
PRODUCT SYNONYMS

Aminoadipate Aminotransferase (AADAT); Human Aminoadipate Aminotransferase (AADAT) ELISA Kit; KATII; KAT2; Kynurenine Aminotransferase II; L Kynurenine/Alpha Aminoadipate Aminotransferase; Kynurenine aminotransferase II; AADAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AADAT. No significant cross-reactivity or interference between AADAT and analogues was observed.
Sequence Length	429
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AADAT 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 AADAT 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 AADAT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AADAT in human 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 AADAT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AADAT. 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 AADAT, 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 AADAT 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 #	557878723
NCBI GeneID	51166
NCBI Accession #	NP_001273611.1
NCBI GenBank Nucleotide #	NM_001286682.1
UniProt Accession #	Q8N5Z0; Q9UL02; B3KP84
Molecular Weight	47,822 Da
NCBI Official Full Name	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial isoform a
NCBI Official Synonym Full Names	aminoadipate aminotransferase
NCBI Official Symbol	AADAT
NCBI Official Synonym Symbols	KAT2; KATII; KYAT2
NCBI Protein Information	kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
UniProt Protein Name	Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial
UniProt Gene Name	AADAT
UniProt Synonym Gene Names	KAT2; KAT/AadAT; AadAT

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/human-elisa-kits/aminoadipate-aminotransferase-aadat/64630>