

Mouse Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial ELISA Kit | Aldh4a1 elisa kit

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CATALOG # AAA194108	REACTIVITY Mouse
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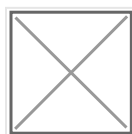
PRODUCT SYNONYMS

Delta-1-pyrroline-5-carboxylate dehydrogenase; mitochondrial; Mouse Delta-1-pyrroline-5-carboxylate dehydrogenase; mitochondrial ELISA Kit; P5C dehydrogenase; Aldehyde dehydrogenase family 4 member A1; Aldh4a1; 1.2.1.88; L-glutamate gamma-semialdehyde; Aldh4a1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Recombinant and natural Mouse P5C dehydrogenase
Sequence Length	562
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.312-20 ng/mL
Sensitivity	<0.16 ng/mL
Intra-assay Precision	Intra-Assay CV: <=5.4%
Inter-assay Precision	Inter-Assay CV: <=8.2%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aldh4a1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen 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 #	225543103
NCBI GeneID	212647
NCBI Accession #	NP_780647.3
NCBI GenBank Nucleotide #	NM_175438.4
UniProt Accession #	Q8CHT0; Q7TND0; Q8BXM3; Q8R0N1; Q8R1S2; B1AXW8
Molecular Weight	61,841 Da
NCBI Official Full Name	delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial
NCBI Official Synonym Full Names	aldehyde dehydrogenase 4 family, member A1
NCBI Official Symbol	Aldh4a1
NCBI Official Synonym Symbols	Ahd1; P5cd; Ahd-1; Aldh4; P5cdh; Ssdh1; P5cdhl; P5cdhs; Aldh5a1; E330022C09; A930035F14Rik
NCBI Protein Information	delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial
UniProt Protein Name	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial
UniProt Gene Name	Aldh4a1
UniProt Synonym Gene Names	P5C dehydrogenase
UniProt Entry Name	AL4A1_MOUSE

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/aldh4a1-mouse-elisa-kits/delta-1-pyrroline-5-carboxylate-dehydrogenase-mitochondrial/194108>