

Human Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial ELISA Kit | ALDH4A1 elisa kit

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CATALOG # AAA99684	REACTIVITY Human
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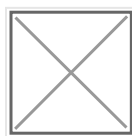
PRODUCT SYNONYMS

Delta-1-pyrroline-5-carboxylate dehydrogenase; mitochondrial; Human Delta-1-pyrroline-5-carboxylate dehydrogenase; mitochondrial ELISA Kit; ALDH4A1/Delta-1-pyrroline-5-carboxylate dehydrogenase; mitochondrial/P5C dehydrogenase/Aldehyde dehydrogenase family 4 member A1/L-glutamate gamma-semialdehyde dehydrogenase/ALDH4/P5CDH/P5CD/P5CDh/P5CDhL/P5CDhS; ALDH4A1 elisa kit

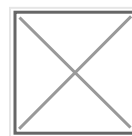
PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	563
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH4A1 elisa kit	Principle of the Assay This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human ALDH4A1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ALDH4A1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human ALDH4A1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ALDH4A1 can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25777736
NCBI GeneID	8659

NCBI Accession #	NP_733844.1
NCBI GenBank Nucleotide #	NM_170726.2
Molecular Weight	56,043 Da
NCBI Official Full Name	delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial isoform a
NCBI Official Synonym Full Names	aldehyde dehydrogenase 4 family member A1
NCBI Official Symbol	ALDH4A1
NCBI Official Synonym Symbols	P5CD; ALDH4; P5CDh
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	ALDH4; P5CDH; P5C dehydrogenase
UniProt Entry Name	AL4A1_HUMAN

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-human-elisa-kits/delta-1-pyrroline-5-carboxylate-dehydrogenase-mitochondrial/99684>