

Mouse Aldehyde dehydrogenase, cytosolic 1 ELISA Kit | Aldh1a7 elisa kit

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CATALOG #
AAA99036

REACTIVITY
Mouse

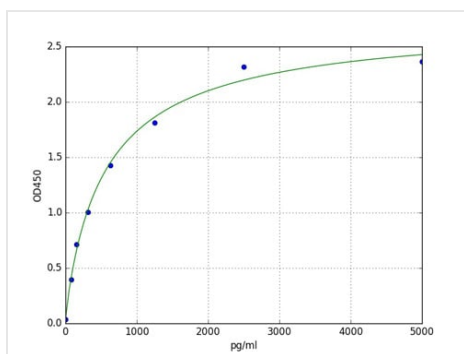
PRODUCT SYNONYMS

Aldehyde dehydrogenase; cytosolic 1; Mouse Aldehyde dehydrogenase; cytosolic 1 ELISA Kit; Aldh1a7/Aldh-pb)/Aldehyde dehydrogenase; cytosolic 1/Aldehyde dehydrogenase phenobarbital-inducible/Aldehyde dehydrogenase family 1 member A7/ALHDII/ALDH class 1/ALDH-E1; Aldh1a7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	501
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/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)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse Aldh1a7 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.004	0.188	0.269	0.398	0.924	1.808	1.526	2.100

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aldh1a7 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Mouse Aldh1a7 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Aldh1a7 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 Mouse Aldh1a7 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Aldh1a7 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7106242
NCBI GeneID	26358
NCBI Accession #	NP_036051.1
NCBI GenBank Nucleotide #	NM_011921.2
Molecular Weight	54,588 Da
NCBI Official Full Name	aldehyde dehydrogenase, cytosolic 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase family 1, subfamily A7
NCBI Official Symbol	Aldh1a7
NCBI Official Synonym Symbols	Aldhpb; Aldh-pb; Aldh1a4; AI987940; Ahd2-like
NCBI Protein Information	aldehyde dehydrogenase, cytosolic 1
UniProt Protein Name	Aldehyde dehydrogenase, cytosolic 1
UniProt Gene Name	Aldh1a7
UniProt Entry Name	AL1A7_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/aldh1a7-mouse-elisa-kits/aldehyde-dehydrogenase-cytosolic-1/99036>