Human Methylmalonate-semialdehyde dehydrogenase[acylating], mitochondrial (ALDH6A1) ELISA Kit | ALDH6A1 elisa kit

Human Methylmalonate-semialdehyde dehydrogenase[acylating], mitochondrial (ALDH6A1) ELISA Kit

CATALOG #	REACTIVITY
AAA43881	**Human**

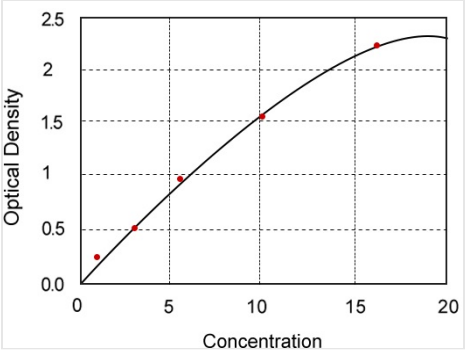
PRODUCT SYNONYMS

Methylmalonate-semialdehyde dehydrogenase[acylating]; mitochondrial (ALDH6A1); Human Methylmalonate-semialdehyde dehydrogenase[acylating]; mitochondrial (ALDH6A1) ELISA Kit; ALDH6A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	535
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.05ng/ml - 15ng/ml
Sensitivity	0.028ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH6A1 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of human Methylmalonate-semialdehyde Dehydrogenase[Acylating], Mitochondrial (also known as ALDH6A1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human ALDH6A1 antibody. ALDH6A1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human ALDH6A1 Antibody is added and binds to ALDH6A1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated ALDH6A1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human ALDH6A1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145651820
NCBI GeneID	81708
NCBI Accession #	NP_112319.2
NCBI GenBank Nucleotide #	NM_031057.2
UniProt Accession #	Q02253
Molecular Weight	57,808 Da
NCBI Official Full Name	methylmalonate-semialdehyde dehydrogenase
NCBI Official Synonym Full Names	aldehyde dehydrogenase 6 family, member A1
NCBI Official Symbol	Aldh6a1
NCBI Official Synonym Symbols	Mmsdh
NCBI Protein Information	methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial
UniProt Protein Name	Methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial
UniProt Gene Name	**Aldh6a1**
UniProt Synonym Gene Names	Mmsdh; MMSDH; Malonate-semialdehyde dehydrogenase [acylating]

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://www.aaabiotech.com/human-elisa-kits/methylmalonate-semialdehyde-dehydrogenaseacylating-mitochondrial-aldh6a1/43881