

Mouse Retinal dehydrogenase 1 (ALDH1A1) ELISA Kit | ALDH1A1 elisa kit

Mouse Retinal dehydrogenase 1 (ALDH1A1) ELISA Kit

CATALOG # AAA27309	REACTIVITY Mouse
------------------------------	----------------------------

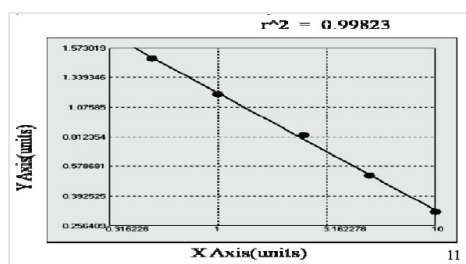
PRODUCT SYNONYMS

Retinal dehydrogenase 1 (ALDH1A1); Mouse Retinal dehydrogenase 1 (ALDH1A1) ELISA Kit; ALDH1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ALDH1A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ALDH1A1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH1A1 elisa kit	Principle of the assay: ALDH1A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALDH1A1 antibody and an ALDH1A1-HRP conjugate. The assay sample and buffer are incubated together with ALDH1A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ALDH1A1 concentration since ALDH1A1 from samples and ALDH1A1-HRP conjugate compete for the anti-ALDH1A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALDH1A1 from the sample, fewer sites are left to bind ALDH1A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALDH1A1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ALDH1A1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361176
NCBI GeneID	216
NCBI Accession #	NP_000680.2
NCBI GenBank Nucleotide #	NM_000689.4
Molecular Weight	54,862 Da
NCBI Official Full Name	retinal dehydrogenase 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family, member A1
NCBI Official Symbol	ALDH1A1
NCBI Official Synonym Symbols	ALDC; ALDH1; HEL-9; HEL12; PUMB1; ALDH11; RALDH1; ALDH-E1; HEL-S-53e
NCBI Protein Information	retinal dehydrogenase 1; ALHDII; RALDH 1; ALDH class 1; acetaldehyde dehydrogenase 1; epididymis luminal protein 9; epididymis luminal protein 12; retinaldehyde dehydrogenase 1; aldehyde dehydrogenase 1, soluble; aldehyde dehydrogenase, liver cytosolic; epididymis secretory sperm binding protein Li 53e
UniProt Protein Name	Retinal dehydrogenase 1
UniProt Gene Name	ALDH1A1
UniProt Synonym Gene Names	ALDC; ALDH1; PUMB1; RALDH 1; RaIDH1
UniProt Entry Name	AL1A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/retinal-dehydrogenase-1-aldh1a1/27309>