

Mouse Aldehyde dehydrogenase family 1 member A3 ELISA Kit | ALDH1A3 elisa kit

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CATALOG #
AAA87577

REACTIVITY
Mouse

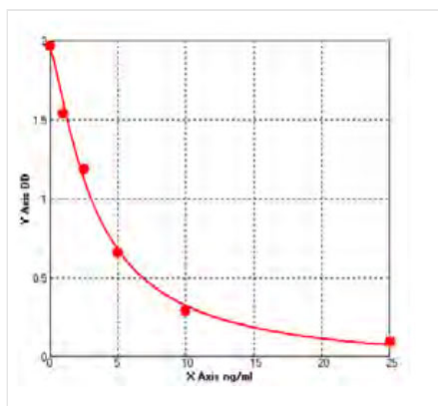
PRODUCT SYNONYMS

Aldehyde dehydrogenase family 1 member A3; Mouse Aldehyde dehydrogenase family 1 member A3 ELISA Kit; ALDH1A3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ALDH1A3. No significant cross-reactivity or interference between ALDH1A3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ALDH1A3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH1A3 elisa kit	Principle of the Assay: ALDH1A3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ALDH1A3 antibody and an ALDH1A3-HRP conjugate. The assay sample and buffer are incubated together with ALDH1A3-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 ALDH1A3 concentration since ALDH1A3 from samples and ALDH1A3-HRP conjugate compete for the anti-ALDH1A3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALDH1A3 from the sample, fewer sites are left to bind ALDH1A3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALDH1A3 concentration in each sample is interpolated from this standard curve. Intended Uses: This ALDH1A3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ALDH1A3. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153266822
NCBI GeneID	220
NCBI Accession #	NP_000684.2
NCBI GenBank Nucleotide #	NM_000693.3
Molecular Weight	56,108 Da
NCBI Official Full Name	aldehyde dehydrogenase family 1 member A3 isoform 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family, member A3
NCBI Official Symbol	ALDH1A3
NCBI Official Synonym Symbols	ALDH6; MCOP8; RALDH3; ALDH1A6
NCBI Protein Information	aldehyde dehydrogenase family 1 member A3; aldehyde dehydrogenase 6; acetaldehyde dehydrogenase 6; retinaldehyde dehydrogenase 3
UniProt Protein Name	Aldehyde dehydrogenase family 1 member A3
UniProt Gene Name	ALDH1A3
UniProt Synonym Gene Names	ALDH6; RALDH-3; RalDH3
UniProt Entry Name	AL1A3_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.