

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

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CATALOG #
AAA83755

REACTIVITY
Human

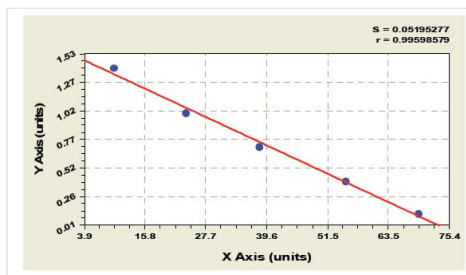
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This ADP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADP. 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 ALDH1A3 elisa kit

Principle of the Assay: ADP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ADP antibody and an ADP-HRP conjugate. The assay sample and buffer are incubated together with ADP-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 ADP concentration since ADP from samples and ADP-HRP conjugate compete for the anti-ADP antibody binding site. Since the number of sites is limited, as more sites are occupied by ADP from the sample, fewer sites are left to bind ADP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADP concentration in each sample is interpolated from this standard curve.

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; RaIDH3
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.

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Online datasheet: <https://stage.aaabiotech.com/aldh1a3-human-elisa-kits/aldehyde-dehydrogenase-family-1-member-a3/83755>