

Canine Aldehyde Dehydrogenase ELISA Kit | ALDH elisa kit

Canine Aldehyde Dehydrogenase ELISA Kit

CATALOG #
AAA93354

REACTIVITY
Canine

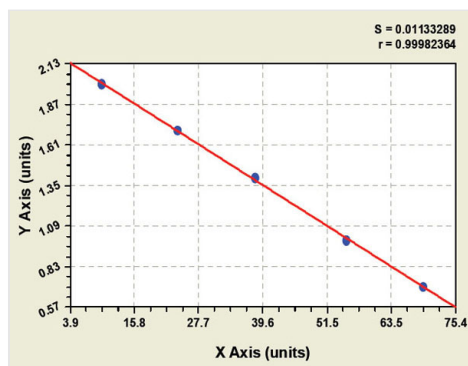
PRODUCT SYNONYMS

Aldehyde Dehydrogenase; Canine Aldehyde Dehydrogenase ELISA Kit; ALDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100u/L
Sensitivity	1.0u/L
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH elisa kit

Intended Uses: This ALDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ALDH. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	20129399
NCBI GeneID	34256
NCBI Accession #	NP_609285.1
NCBI GenBank Nucleotide #	NM_135441.2
Molecular Weight	57,019 Da
NCBI Official Full Name	aldehyde dehydrogenase, isoform A
NCBI Official Synonym Full Names	Aldehyde dehydrogenase
NCBI Official Symbol	Aldh
NCBI Official Synonym Symbols	146084_at; ACDH; ALDH; ALDHA1; CG 3752; CG3752; DmelCG3752
NCBI Protein Information	CG3752 gene product from transcript CG3752-RA; Aldh-PA; Aldh-PB; CG3752-PA; CG3752-PB; acetaldehyde dehydrogenase
UniProt Protein Name	Aldehyde dehydrogenase
UniProt Gene Name	Aldh
UniProt Synonym Gene Names	CG3752; Dmel_CG3752
UniProt Entry Name	Q9VLC5_DROME

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/aldh-canine-elisa-kits/aldehyde-dehydrogenase/93354>