

Rat Aldehyde Dehydrogenase 2 ELISA Kit | ALDH2 elisa kit

Rat Aldehyde Dehydrogenase 2 ELISA Kit

CATALOG #
AAA87844

REACTIVITY
Rat

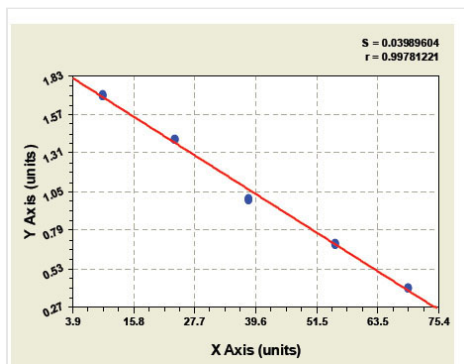
PRODUCT SYNONYMS

Aldehyde Dehydrogenase 2; Rat Aldehyde Dehydrogenase 2 ELISA Kit; ALDH2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ALDH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ALDH2. 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 ALDH2 elisa kit

Principle of the assay: ALDH2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALDH2 antibody and an ALDH2-HRP conjugate. The assay sample and buffer are incubated together with ALDH2-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 ALDH2 concentration since ALDH2 from samples and ALDH2-HRP conjugate compete for the anti-ALDH2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALDH2 from the sample, fewer sites are left to bind ALDH2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALDH2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	193882444
Molecular Weight	26,576 Da
NCBI Official Full Name	ALDH2, partial
UniProt Protein Name	ALDH2
UniProt Gene Name	ALDH2
UniProt Entry Name	B4YAH7_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/aldh2-rat-elisa-kits/aldehyde-dehydrogenase-2/87844>