

Goat Aldehyde Dehydrogenase 2 ELISA Kit | ALDH2 elisa kit

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CATALOG #
AAA96431

REACTIVITY
Goat

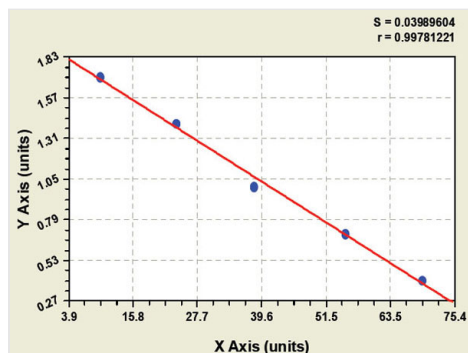
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This ALDH2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat ALDH2. This ELISA kit for research use only, not for therapeutic applications
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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.
Product Categories/Family for ALDH2 elisa kit	Neurobiology

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.

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Online datasheet: <https://stage.aaabiotech.com/aldh2-goat-elisa-kits/aldehyde-dehydrogenase-2/96431>