Porcine Aldehyde Dehydrogenase 18 Family, Member A1 ELISA Kit | ALDH18A1 elisa kit

Porcine Aldehyde Dehydrogenase 18 Family, Member A1 ELISA Kit

CATALOG #	REACTIVITY
AAA96705	**Porcine**

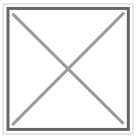
PRODUCT SYNONYMS

Aldehyde Dehydrogenase 18 Family; Member A1; Porcine Aldehyde Dehydrogenase 18 Family; Member A1 ELISA Kit; ALDH18A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ALDH18A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ALDH18A1. 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 ALDH18A1 elisa kit	**Principle of the assay:** ALDH18A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALDH18A1 antibody and an ALDH18A1-HRP conjugate. The assay sample and buffer are incubated together with ALDH18A1-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 ALDH18A1 concentration since ALDH18A1 from samples and ALDH18A1-HRP conjugate compete for the anti-ALDH18A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALDH18A1 from the sample, fewer sites are left to bind ALDH18A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALDH18A1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ALDH18A1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	148237932
NCBI GeneID	444469
NCBI Accession #	NP_001086040.1

NCBI GenBank Nucleotide #	NM_001092571.1
NCBI Official Full Name	aldehyde dehydrogenase 18 family, member A1
NCBI Official Synonym Full Names	aldehyde dehydrogenase 18 family, member A1<
NCBI Official Symbol	aldh18a1
NCBI Protein Information	aldehyde dehydrogenase 18 family, member A1

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/aldh18a1-porcine-elisa-kits/aldehyde-dehydrogenase-18-family-member-a1/96705