

Porcine Aldehyde dehydrogenase family 3 member B1 (ALDH3B1) ELISA Kit | ALDH3B1 elisa kit

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CATALOG # AAA244865	REACTIVITY Porcine
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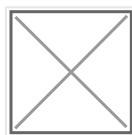
PRODUCT SYNONYMS

Aldehyde dehydrogenase family 3 member B1 (ALDH3B1); Porcine Aldehyde dehydrogenase family 3 member B1 (ALDH3B1) ELISA Kit; ALDH3B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of ALDH3B1. No significant cross-reactivity or interference between ALDH3B1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ALDH3B1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALDH3B1 elisa kit	<p>Intended Uses: This ALDH3B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine ALDH3B1. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: ALDH3B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ALDH3B1 antibody and an ALDH3B1-HRP conjugate. The assay sample and buffer are incubated together with ALDH3B1-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 ALDH3B1 concentration since ALDH3B1 from samples and ALDH3B1-HRP conjugate compete for the anti-ALDH3B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ALDH3B1 from the sample, fewer sites are left to bind ALDH3B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALDH3B1 concentration in each sample is interpolated from this standard curve.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	238814371
NCBI GeneID	221
NCBI Accession #	NP_001154945.1
NCBI GenBank Nucleotide #	NM_001161473.2
Molecular Weight	47,683 Da
NCBI Official Full Name	aldehyde dehydrogenase family 3 member B1 isoform a
NCBI Official Synonym Full Names	aldehyde dehydrogenase 3 family, member B1
NCBI Official Symbol	ALDH3B1
NCBI Official Synonym Symbols	ALDH4; ALDH7
NCBI Protein Information	aldehyde dehydrogenase family 3 member B1; aldehyde dehydrogenase 7; aldehyde dehydrogenase 3B1
UniProt Protein Name	Aldehyde dehydrogenase family 3 member B1
UniProt Gene Name	ALDH3B1
UniProt Synonym Gene Names	ALDH7
UniProt Entry Name	AL3B1_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/porcine-elisa-kits/aldehyde-dehydrogenase-family-3-member-b1-aldh3b1/244865>