

Rat Aldehyde dehydrogenase, cytosolic 1 ELISA Kit | Aldh1a7 elisa kit

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CATALOG #
AAA56343

REACTIVITY
Rat

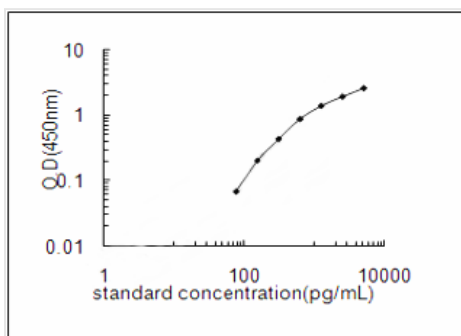
PRODUCT SYNONYMS

Aldehyde dehydrogenase; cytosolic 1; Rat Aldehyde dehydrogenase; cytosolic 1 ELISA Kit; Aldh1a7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat Aldehyde dehydrogenase, cytosolic 1. No significant cross-reactivity or interference was observed.
Sequence Length	501
Assay Type	Sandwich
Detection Range	78-5000 pg/ml
Sensitivity	40.6 pg/mL
Intra-Assay CV	<=5.3%
Inter-Assay CV	<=6.3%
Recovery	81%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aldh1a7 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aldehyde dehydrogenase, cytosolic 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Aldehyde dehydrogenase, cytosolic 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Aldehyde dehydrogenase, cytosolic 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Aldehyde dehydrogenase, cytosolic 1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14485281
NCBI GeneID	29651
NCBI Accession #	NP_058968.14
NCBI GenBank Nucleotide #	NM_017272.15
UniProt Accession #	P13601
Molecular Weight	54,560 Da
NCBI Official Full Name	aldehyde dehydrogenase, cytosolic 1
NCBI Official Synonym Full Names	aldehyde dehydrogenase family 1, subfamily A7
NCBI Official Symbol	Aldh1a7
NCBI Official Synonym Symbols	Aldhpb; Aldh1a4
NCBI Protein Information	aldehyde dehydrogenase, cytosolic 1
UniProt Protein Name	Aldehyde dehydrogenase, cytosolic 1
UniProt Gene Name	Aldh1a7
UniProt Synonym Gene Names	Aldh-pb; Aldh1; Aldh1a4
UniProt Entry Name	AL1A7_RAT

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/aldh1a7-rat-elisa-kits/aldehyde-dehydrogenase-cytosolic-1/56343>