

Rat Alcohol dehydrogenase 1C (ADH1C) ELISA Kit | ADH1C elisa kit

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CATALOG #
AAA245757

REACTIVITY
Rat

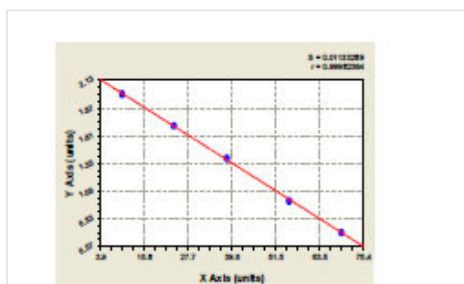
PRODUCT SYNONYMS

Alcohol dehydrogenase 1C (ADH1C); Rat Alcohol dehydrogenase 1C (ADH1C) ELISA Kit; ADH1C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADH1C elisa kit

Intended Uses: This ADH1C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADH1C.

Principle of the Assay: ADH1C ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-ADH1C antibody and an ADH1C-HRP conjugate. The assay sample and buffer are incubated together with ADH1C-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 ADH1C concentration since ADH1C from samples and ADH1C-HRP conjugate compete for the anti-ADH1C antibody binding site. Since the number of sites is limited, as more sites are occupied by ADH1C from the sample, fewer sites are left to bind ADH1C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADH1C concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501933
NCBI GeneID	126
NCBI Accession #	NP_000660.1
NCBI GenBank Nucleotide #	NM_000669.4
Molecular Weight	39,868 Da
NCBI Official Full Name	alcohol dehydrogenase 1C
NCBI Official Synonym Full Names	alcohol dehydrogenase 1C (class I), gamma polypeptide
NCBI Official Symbol	ADH1C
NCBI Official Synonym Symbols	ADH3
NCBI Protein Information	alcohol dehydrogenase 1C; ADH, gamma subunit; aldehyde reductase; alcohol dehydrogenase 3 (class I), gamma polypeptide
UniProt Protein Name	Alcohol dehydrogenase 1C
UniProt Gene Name	ADH1C
UniProt Synonym Gene Names	ADH3
UniProt Entry Name	ADH1G_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/rat-elisa-kits/alcohol-dehydrogenase-1c-adh1c/245757>