

Rat Alcohol dehydrogenase class-3 (ADH5) ELISA Kit | ADH5 elisa kit

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CATALOG #
AAA245741

REACTIVITY
Rat

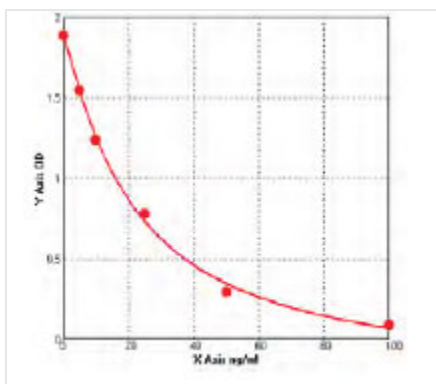
PRODUCT SYNONYMS

Alcohol dehydrogenase class-3 (ADH5); Rat Alcohol dehydrogenase class-3 (ADH5) ELISA Kit; ADH5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADH5 elisa kit

Intended Uses: This ADH3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADH3. This ELISA kit for research use only!

Principle of the Assay: ADH3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADH3 antibody and an ADH3-HRP conjugate. The assay sample and buffer are incubated together with ADH3-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 ADH3 concentration since ADH3 from samples and ADH3-HRP conjugate compete for the anti-ADH3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADH3 from the sample, fewer sites are left to bind ADH3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADH3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71565154
NCBI GeneID	128
NCBI Accession #	NP_000662.3
NCBI GenBank Nucleotide #	NM_000671.4
Molecular Weight	39,724 Da
NCBI Official Full Name	alcohol dehydrogenase class-3
NCBI Official Synonym Full Names	alcohol dehydrogenase 5 (class III), chi polypeptide
NCBI Official Symbol	ADH5
NCBI Official Synonym Symbols	FDH; ADHX; ADH-3; FALDH; GSNOR; GSH-FDH
NCBI Protein Information	alcohol dehydrogenase class-3; formaldehyde dehydrogenase; alcohol dehydrogenase class-III; alcohol dehydrogenase class chi chain; S-(hydroxymethyl)glutathione dehydrogenase; glutathione-dependent formaldehyde dehydrogenase; alcohol dehydrogenase (class III), chi polypeptide
UniProt Protein Name	Alcohol dehydrogenase class-3
UniProt Gene Name	ADH5
UniProt Synonym Gene Names	ADHX; FDH; FALDH; FDH; GSH-FDH
UniProt Entry Name	ADHX_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/rat-elisa-kits/alcohol-dehydrogenase-class-3-adh5/245741>