

Human Alcohol Dehydrogenase 6 (ADH6) ELISA Kit | ADH6 elisa kit

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CATALOG #
AAA331126

REACTIVITY
Human

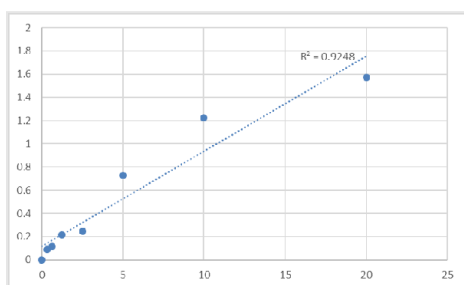
PRODUCT SYNONYMS

Alcohol Dehydrogenase 6 (ADH6); Human Alcohol Dehydrogenase 6 (ADH6) ELISA Kit; ADH6; ADH-5; aldehyde reductase; class V alcohol dehydrogenase; ADH6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alcohol dehydrogenase 6 (ADH6) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADH6. No significant cross-reactivity or interference between Human ADH6 and analogues was observed.
Sequence Length	368
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Alcohol dehydrogenase 6 (ADH6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADH6 elisa kit	Description: This Human Alcohol dehydrogenase 6 (ADH6) ELISA Kit employs a two-site sandwich ELISA to quantitate ADH6 in samples. An antibody specific for ADH6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADH6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADH6 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADH6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Alcohol dehydrogenase 6 is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This gene is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' UTR, which is a steroid hormone receptor binding site. The deduced amino acid sequence of the open reading frame of this gene shows about 60% positional identity with other known alcohol dehydrogenases. This gene may have a distinct physiologic function. The ADH6 sequence shows approximately 60% positional identity with known human ADHs, suggesting interclass similarity within the human ADH family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501939
NCBI GeneID	130
NCBI Accession #	NP_000663.1
NCBI GenBank Nucleotide #	NP_000663.1
UniProt Accession #	P28332
NCBI Official Full Name	alcohol dehydrogenase 6 isoform 2
NCBI Official Synonym Full Names	alcohol dehydrogenase 6 (class V)
NCBI Official Symbol	ADH6
NCBI Official Synonym Symbols	ADH-5
NCBI Protein Information	alcohol dehydrogenase 6
UniProt Protein Name	Alcohol dehydrogenase 6
UniProt Gene Name	ADH6
UniProt Entry Name	ADH6_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.