

Human Alcohol Dehydrogenase (ADH) ELISA Kit | ADH elisa kit

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CATALOG #
AAA331124

REACTIVITY
Human

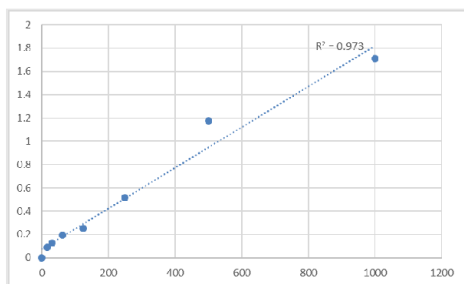
PRODUCT SYNONYMS

Alcohol Dehydrogenase (ADH); Human Alcohol Dehydrogenase (ADH) ELISA Kit; ADH1A; ADH1; ADH; alpha subunit; alcohol dehydrogenase 1 (class I); alpha polypeptide; aldehyde reductase; class I alcohol dehydrogenase; ADH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Alcohol dehydrogenase (ADH) ELISA Kit has high sensitivity and excellent specificity for detection of Human ADH1A. No significant cross-reactivity or interference between Human ADH1A and analogues was observed.
Sequence Length	375
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 (ADH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ADH elisa kit	Description: This Human Alcohol dehydrogenase (ADH) ELISA Kit employs a two-site sandwich ELISA to quantitate ADH1A in samples. An antibody specific for ADH1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ADH1A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADH1A 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 ADH1A bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Arginine vasopressin is a hormone found in most mammals, including humans. Vasopressin is a peptide hormone. It is derived from a preprohormone precursor that is synthesized in the hypothalamus and stored in vesicles at the posterior pituitary. Most of it is stored in the posterior pituitary to be released into the blood stream; however, some of it is also released directly into the brain. One of the most important roles of AVP is to regulate the body's retention of water; it is released when the body is dehydrated and causes the kidneys to conserve water, thus concentrating the urine, and reducing urine volume. In high concentrations, it also raises blood pressure by inducing moderate vasoconstriction. In addition, it has a variety of neurological effects on the brain, having been found, for example, to influence pair-bonding in voles.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501929
NCBI GeneID	124
NCBI Accession #	NP_000658.1
NCBI GenBank Nucleotide #	NP_000658.1
UniProt Accession #	P07327
NCBI Official Full Name	alcohol dehydrogenase 1A
NCBI Official Synonym Full Names	alcohol dehydrogenase 1A (class I), alpha polypeptide
NCBI Official Symbol	ADH1A
NCBI Official Synonym Symbols	ADH1
NCBI Protein Information	alcohol dehydrogenase 1A
UniProt Protein Name	Alcohol dehydrogenase 1A
UniProt Gene Name	ADH1A
UniProt Synonym Gene Names	ADH1
UniProt Entry Name	ADH1A_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.