

Human Alcohol dehydrogenase 6 (ADH6) ELISA Kit

Catalog No: #EK7730



Package Size: #EK7730-1 48T #EK7730-2 96T

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Description

Product Name	Human Alcohol dehydrogenase 6 (ADH6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ADH-5; aldehyde reductase class V alcohol dehydrogenase
Accession No.	P28332
Uniprot	P28332
GeneID	130;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.127 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyADH6 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.

Product Overview: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.

Note: This product is for in vitro research use only