Human Alcohol dehydrogenase (ADH) ELISA Kit

Catalog No: #EK7728

Package Size: #EK7728-1 48T #EK7728-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Alcohol dehydrogenase (ADH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ADH1; ADH; alpha subunit|alcohol dehydrogenase 1 (class I); alpha polypeptide|aldehyde reductase|class I alcohol dehydrogenase; alpha subunit
Accession No.	P07327
Uniprot	P07327
GeneID	124;
Storage	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. 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).

Application Details

Detect Range:12.35-1000 pg/mL

Sensitivity:4.91 pg/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 ADH1A in samples. An antibody specific for ADH1A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADH1A 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.Product Overview: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.

Note: This product is for in vitro research use only