

Human Inhibin (INH-A) ELISA Kit

Catalog No: #EK12141



Package Size: #EK12141-1 48T #EK12141-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Human Inhibin (INH-A) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	A-inhibin subunit inhibin alpha subunit
Accession No.	P05111
Uniprot	P05111
GeneID	3623;
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:15.6-1000 pg/mL

Sensitivity:5.5 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 INHA in samples. An antibody specific for INHA has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyINHA present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for INHA 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 INHA bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Inhibin A is a dimer of alpha and beta A subunits, inhibin B is a dimer of alpha and beta B subunits. Inhibin belongs to the transforming growth factor-β superfamily.In women, FSH stimulates the secretion of inhibin from the granulosa cells of the ovarian follicles in ovary. In turn, inhibin suppresses FSH.Inhibin secretion is diminished by GnRH, and enhanced by insulin-like growth factor-1.Inhibin A reaches its peak in the mid-luteal phase.Inhibin-A is elevated in the blood serum of women carrying fetuses with Down syndrome.Inhibin is produced in the gonads, ituitary gland, placenta and other organs.In men, it is a hormone that inhibits FSH production.The inhibin alpha subunit joins either the beta A or beta B subunit to form a pituitary FSH secretion inhibitor.

Note: This product is for in vitro research use only