Human Insulin-like peptide INSL6 (INSL6) ELISA Kit

Catalog No: #EK11234

Package Size: #EK11234-1 48T #EK11234-2 96T

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

Description

Product Name	Human Insulin-like peptide INSL6 (INSL6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RIF1; insulin-like peptide 5|relaxin/insulin-like factor 1
Accession No.	Q9Y581
Uniprot	Q9Y581
GeneID	11172;
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:78.1-5000 pg/mL

Sensitivity:29 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 INSL6 in samples. An antibody specific for INSL6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyINSL6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for INSL6 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 INSL6 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:INSL6 contains a classical signature of the insulin superfamily and is significantly similar to relaxin and relaxin-like factor. This gene is preferentially expressed in testis. Its expression in testis is restricted to interstitial cells surrounding seminiferous tubules, which suggests a role in sperm development and fertilization.

The deduced 213-amino acid protein, which shares 45% sequence identity with the mouse protein, contains the classic B-C-A domain configuration, including the 6 cysteines in the B and A domains, of the insulin/relaxin family proteins. Northern blot analysis revealed expression of a 1.2-kb transcript confined to testis. Immunohistochemical analysis demonstrated expression restricted to interstitial cells in mouse testis.

Note: This product is for in vitro research use only