

Human Insulin-like 3 ELISA Kit | INSL3 elisa kit

Human Insulin-like 3 ELISA Kit

CATALOG #
AAA100922

REACTIVITY
Human

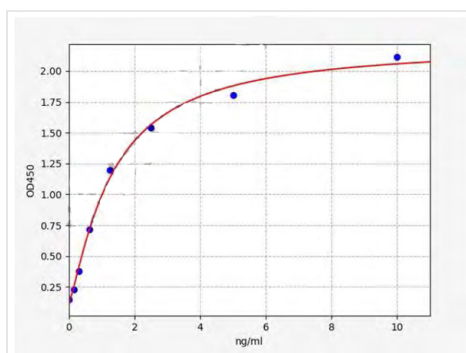
PRODUCT SYNONYMS

Insulin-like 3; Human Insulin-like 3 ELISA Kit; INSL3 (Insulin-like 3)/Ley I-L/RLFey-I-L/RLF/RLNL/insulin-like 3/insulin-like 3 (Leydig cell)/leydig insulin -like hormone/leydig insulin -like peptide/Relaxin-like factor/relaxin-like factor b; INSL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize INSL3, no obvious cross reaction with other analogues
Sequence Length	131
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for INSL3 elisa kit	Background: Insulin-like factor 3 (INSL3) is a peptide secreted by testicular Leydig cells and to a smaller extent by follicular theca cells. It acts via a G-protein-coupled receptor that is expressed in several organs, including bone, brain, kidney, muscle, epididymis, gubernaculum, and germ cells. It can also be used as a marker of Leydig cell function in fetal and perinatal period, which can help to identify whether a developing gonad is a testis when only the Leydig cells can produce it. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti INSL3 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti INSL3 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with INSL3 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of INSL3 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373369
NCBI GeneID	3640
Molecular Weight	16,872 Da
NCBI Official Full Name	Insulin-like 3
NCBI Official Synonym Full Names	insulin like 3
NCBI Official Symbol	INSL3
NCBI Official Synonym Symbols	RLF; RLNL; ley-I-L
NCBI Protein Information	insulin-like 3
UniProt Protein Name	Insulin-like 3
UniProt Gene Name	INSL3
UniProt Synonym Gene Names	RLF; RLNL; Ley-I-L
UniProt Entry Name	INSL3_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.

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Online datasheet: <https://stage.aaabiotech.com/insl3-human-elisa-kits/insulin-like-3/100922>