

Rat Insulin-like 3 ELISA Kit | Insl3 elisa kit

Rat Insulin-like 3 ELISA Kit

CATALOG #
AAA100223

REACTIVITY
Rat

PRODUCT SYNONYMS

Insulin-like 3; Rat Insulin-like 3 ELISA Kit; Insl3/Ley I-L/RLF/RLNL/insulin-like 3/insulin-like 3 (Leydig cell)/leydig insulin -like hormone/leydig insulin -like peptide/Leydig insulin-like peptide/Ley-I-L/MGC119818/MGC119819/Relaxin-like factor/relaxin-like factor b/RLFley-I-L/RLNL; Insl3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Insl3. No significant cross-reactivity or interference between Insl3 and analogues was observed.
Sequence Length	131
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Insl3 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Insl3 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve

Results of a typical standard run of a Insl3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.045	0.053	0.092	0.174	0.325	0.906	1.513	2.936

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Insl3 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Insl3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- Insl3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Insl3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Insl3 can be calculated.

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-rat-elisa-kits/insulin-like-3/100223>