

Human Thyroid Hormone Responsive (THRSP) ELISA Kit | THRSP elisa kit

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CATALOG #
AAA185934

REACTIVITY
Human

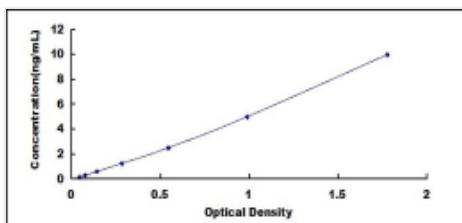
PRODUCT SYNONYMS

Thyroid Hormone Responsive (THRSP); Human Thyroid Hormone Responsive (THRSP) ELISA Kit; S14; SPOT14; LPGP1; Lipogenic Protein 1; Thyroid hormone-inducible hepatic protein; Spot 14 protein; THRSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thyroid Hormone Responsive (THRSP). No significant cross-reactivity or interference between Thyroid Hormone Responsive (THRSP) and analogues was observed.
Sequence Length	146
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thyroid Hormone Responsive (THRSP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thyroid Hormone Responsive (THRSP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for THRSP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Thyroid Hormone Responsive (THRSP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Thyroid Hormone Responsive (THRSP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Thyroid Hormone Responsive (THRSP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Thyroid Hormone Responsive (THRSP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119595451
NCBI GeneID	7069
UniProt Accession #	Q92748; B2R4W7
Molecular Weight	16,561 Da
NCBI Official Full Name	thyroid hormone responsive (SPOT14 homolog, rat)
NCBI Official Synonym Full Names	thyroid hormone responsive
NCBI Official Symbol	THRSP
NCBI Official Synonym Symbols	S14; Lpgp; THRP; LPGP1; SPOT14
NCBI Protein Information	thyroid hormone-inducible hepatic protein
UniProt Protein Name	Thyroid hormone-inducible hepatic protein
UniProt Gene Name	THRSP
UniProt Synonym Gene Names	S14; SPOT14

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.