

Human Lipolysis-Stimulated Lipoprotein Receptor (LSR) ELISA Kit | LSR elisa kit

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CATALOG #
AAA331921

REACTIVITY
Human

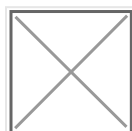
PRODUCT SYNONYMS

Lipolysis-Stimulated Lipoprotein Receptor (LSR); Human Lipolysis-Stimulated Lipoprotein Receptor (LSR) ELISA Kit; LSR; ILDR3; LISCH7; MGC10659; MGC48312; MGC48503; LISCH protein; immunoglobulin-like domain containing receptor 3; lipolysis-stimulated receptor; lipolysis-stimulated remnant; liver-specific bHLH-Zip transcr; LSR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Lipolysis-stimulated lipoprotein receptor (LSR) ELISA Kit has high sensitivity and excellent specificity for detection of Human LSR. No significant cross-reactivity or interference between Human LSR and analogues was observed.
Sequence Length	629
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Lipolysis-stimulated lipoprotein receptor (LSR) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LSR elisa kit	Description: This Human Lipolysis-stimulated lipoprotein receptor (LSR) ELISA Kit employs a two-site sandwich ELISA to quantitate LSR in samples. An antibody specific for LSR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LSR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LSR 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 LSR bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LSR is a multimeric protein complex in the liver that undergoes conformational changes upon binding of free fatty acids, thereby revealing a binding site (s) that recognizes both apoB and apoE. Complete inactivation of the LSR gene is embryonic lethal in mice.LSR cooperates with the LDL receptor in the final hepatic processing of apoB-containing lipoproteins and represents a novel therapeutic target for the treatment of hyperlipidemia associated with obesity and atherosclerosis. The lipolysis-stimulated receptor (LSR) is a lipoprotein receptor primarily expressed in the liver and activated by free fatty acids. Antibodies inhibiting LSR functions showed that the receptor is a heterotrimer or tetramer consisting of 68-kDa (alpha) and 56-kDa (beta) subunits associated through disulfide bridges.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386781455
NCBI GeneID	51599
NCBI Accession #	NP_001247418.1
NCBI GenBank Nucleotide #	NP_001247418.1
UniProt Accession #	Q86X29
NCBI Official Full Name	lipolysis-stimulated lipoprotein receptor isoform 4
NCBI Official Synonym Full Names	lipolysis stimulated lipoprotein receptor
NCBI Official Symbol	LSR
NCBI Official Synonym Symbols	ILDR3; LISCH7
NCBI Protein Information	lipolysis-stimulated lipoprotein receptor
UniProt Protein Name	Lipolysis-stimulated lipoprotein receptor
UniProt Gene Name	LSR
UniProt Synonym Gene Names	LISCH

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/human-elisa-kits/lipolysis-stimulated-lipoprotein-receptor-lsr/331921>