

Mouse Liver X Receptor Alpha (LXRα) ELISA Kit | LXRα elisa kit

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CATALOG #
AAA185442

REACTIVITY
Mouse

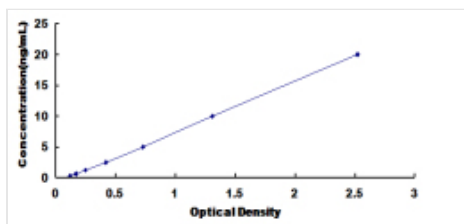
PRODUCT SYNONYMS

Liver X Receptor Alpha (LXRα); Mouse Liver X Receptor Alpha (LXRα) ELISA Kit; NR1-H3; LXR-A; LXRA; RLD-1; Nuclear Receptor Subfamily 1; Group H; Member 3; Oxysterols receptor LXR-alpha; LXRα elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Liver X Receptor Alpha (LXRα). No significant cross-reactivity or interference between Liver X Receptor Alpha (LXRα) and analogues was observed.
Sequence Length	402
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.103ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Liver X Receptor Alpha (LXRα) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Liver X Receptor Alpha (LXRα) 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 LXRA 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 Liver X Receptor Alpha (LXRa). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Liver X Receptor Alpha (LXRa). 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 Liver X Receptor Alpha (LXRa), 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 Liver X Receptor Alpha (LXRa) 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 #	216409704
NCBI GeneID	10062
UniProt Accession #	Q13133; Q8IW13; Q96H87; A8K3J9; D3DQR1
Molecular Weight	45,692 Da
NCBI Official Full Name	liver X receptor alpha
NCBI Official Synonym Full Names	nuclear receptor subfamily 1 group H member 3
NCBI Official Symbol	NR1H3
NCBI Official Synonym Symbols	LXRA; LXR-a; RLD-1
NCBI Protein Information	oxysterols receptor LXR-alpha
UniProt Protein Name	Oxysterols receptor LXR-alpha
UniProt Gene Name	NR1H3
UniProt Synonym Gene Names	LXRA

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.