

Human Liver X Receptor Beta (LXRb) ELISA Kit | LXRb elisa kit

Human Liver X Receptor Beta (LXRb)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189557	REACTIVITY Human	APPLICATIONS ELISA
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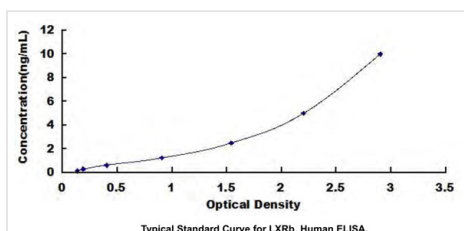
PRODUCT SYNONYMS

Liver X Receptor Beta (LXRb); Human Liver X Receptor Beta (LXRb)(Sandwich ELISA) ELISA Kit; ELISA Kit for Liver X Receptor Beta (LXRb); LXRb/Liver X Receptor Beta; NR1-H2; UNR; LXR-B; NER; NER-I; RIP15; Nuclear Receptor Subfamily 1; Group H; Member 2; Ubiquitously-Expressed Nuclear Receptor; Oxysterols receptor LXR-beta; LXRb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LXRb. No significant cross-reactivity or interference between LXRb and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.060ng/mL
Applicable Applications for LXRb elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LXRb were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level LXRb were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). 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 LXRb elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LXRb. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LXRb. 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 LXRb, 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 LXRb in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LXRb in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for LXRb elisa kit	Enzyme & Kinase; Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	375331888
NCBI GeneID	7376
NCBI Accession #	NP_001243576.1
NCBI GenBank Nucleotide #	NM_001256647.1
UniProt Accession #	P55055; Q12970; Q5I0Y1; A8K490; B4DNM6; E7EWA6
Molecular Weight	39,920 Da
NCBI Official Full Name	oxysterols receptor LXR-beta isoform 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 1, group H, member 2
NCBI Official Symbol	NR1H2
NCBI Official Synonym Symbols	NER; UNR; LXRb; LXR-b; NER-I; RIP15
NCBI Protein Information	oxysterols receptor LXR-beta; LX receptor beta; liver X nuclear receptor beta; nuclear orphan receptor LXR-beta; nuclear receptor NER; steroid hormone-nuclear receptor NER; ubiquitously-expressed nuclear receptor
UniProt Protein Name	Oxysterols receptor LXR-beta
UniProt Gene Name	NR1H2
UniProt Synonym Gene Names	LXRb; NER; UNR
UniProt Entry Name	NR1H2_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.