

Rat Farnesoid X Receptor (FXR) ELISA Kit | FXR elisa kit

Rat Farnesoid X Receptor (FXR) Mini Samples ELISA Kit

CATALOG # AAA188745	REACTIVITY Rat	APPLICATIONS ELISA
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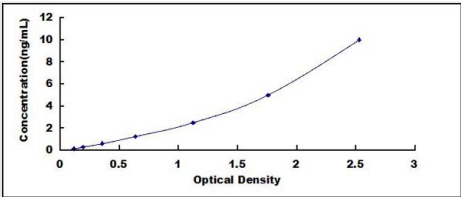
PRODUCT SYNONYMS

Farnesoid X Receptor (FXR); Rat Farnesoid X Receptor (FXR) Mini Samples ELISA Kit; Farnesoid X Receptor; NR1H4; BAR; FXR; HRR1; RIP14; Nuclear Receptor Subfamily 1; Group H; Member 4; Bile acid receptor; Farnesol receptor HRR-1; Retinoid X receptor-interacting protein 14; FXR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Farnesoid X Receptor (FXR). No significant cross-reactivity or interference between Mini Samples Farnesoid X Receptor (FXR) and analogues was observed.
Sequence Length	568
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.060ng/mL
Applicable Applications for FXR elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Farnesoid X Receptor (FXR) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Farnesoid X Receptor (FXR) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	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 Mini Samples Farnesoid X Receptor (FXR). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Farnesoid X Receptor (FXR). 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 Mini Samples Farnesoid X Receptor (FXR), 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 Mini Samples Farnesoid X Receptor (FXR) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	58865930
NCBI GeneID	361927
NCBI Accession #	NP_001012179.1
NCBI GenBank Nucleotide #	NP_001012179.1
UniProt Accession #	Q5XI81
NCBI Official Full Name	fragile X mental retardation syndrome-related protein 1
NCBI Official Synonym Full Names	FMR1 autosomal homolog 1
NCBI Official Symbol	Fxr1
NCBI Official Synonym Symbols	Fxr1h
NCBI Protein Information	fragile X mental retardation syndrome-related protein 1
UniProt Protein Name	Fragile X mental retardation syndrome-related protein 1
UniProt Gene Name	Fxr1
UniProt Synonym Gene Names	Fxr1h
UniProt Entry Name	FXR1_RAT

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.