

Rat Hepatocyte Nuclear Factor 1 Beta (HNF1b) ELISA Kit | HNF1b elisa kit

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CATALOG #
AAA187160

REACTIVITY
Rat

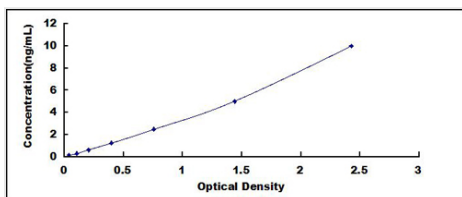
PRODUCT SYNONYMS

Hepatocyte Nuclear Factor 1 Beta (HNF1b); Rat Hepatocyte Nuclear Factor 1 Beta (HNF1b) ELISA Kit; FJHN; TCF2; HNF1beta; HNF2; LFB3; LF-B3; MODY5; VHNF1; Transcription Factor 2; Hepatic; Variant Hepatic Nuclear Factor; Homeoprotein LFB3; HNF1b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Hepatocyte Nuclear Factor 1 Beta (HNF1b). No significant cross-reactivity or interference between Hepatocyte Nuclear Factor 1 Beta (HNF1b) and analogues was observed.
Sequence Length	427
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Hepatocyte Nuclear Factor 1 Beta (HNF1b) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hepatocyte Nuclear Factor 1 Beta (HNF1b) 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 HNF1b 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 Hepatocyte Nuclear Factor 1 Beta (HNF1b). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Hepatocyte Nuclear Factor 1 Beta (HNF1b). 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 Hepatocyte Nuclear Factor 1 Beta (HNF1b), 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 Hepatocyte Nuclear Factor 1 Beta (HNF1b) 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 #	4507397
NCBI GeneID	6928
NCBI Accession #	NP_000449.1
NCBI GenBank Nucleotide #	NM_000458.3
UniProt Accession #	P35680; B4DKM3; E0YMJ9
Molecular Weight	46,907 Da
NCBI Official Full Name	hepatocyte nuclear factor 1-beta isoform 1
NCBI Official Synonym Full Names	HNF1 homeobox B
NCBI Official Symbol	HNF1B
NCBI Official Synonym Symbols	FJHN; HNF2; LFB3; TCF2; HPC11; LF-B3; MODY5; TCF-2; VHNF1; HNF-1B; HNF1beta; HNF-1-beta
NCBI Protein Information	hepatocyte nuclear factor 1-beta
UniProt Protein Name	Hepatocyte nuclear factor 1-beta
UniProt Gene Name	HNF1B
UniProt Synonym Gene Names	TCF2; HNF-1-beta; HNF-1B; TCF-2; vHNF1

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.