

Hepatocyte Nuclear Factor 1 Beta (HNF1b) CLIA Kit | HNF1b clia kit

CLIA Kit for Hepatocyte Nuclear Factor 1 Beta (HNF1b)

CATALOG #
AAA130490

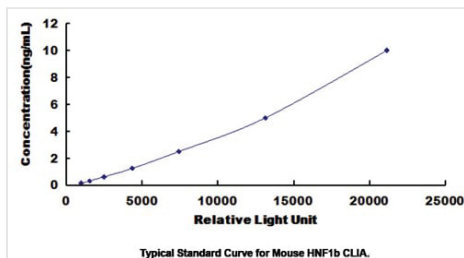
PRODUCT SYNONYMS

Hepatocyte Nuclear Factor 1 Beta (HNF1b); CLIA Kit for Hepatocyte Nuclear Factor 1 Beta (HNF1b); HNF1b clia kit

PRODUCT SPECIFICATIONS

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	557
Assay Type	Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.014-10ng/mL. The standard curve concentrations used for the ELISA's were 10ng/mL, 3.33ng/mL, 1.11ng/mL, 0.37ng/mL, 0.123ng/mL, 0.041ng/mL, 0.014ng/mL.
Sensitivity	The minimum detectable dose of this kit is typically less than 0.057ng/mL.
Precision	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. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Mus musculus (Mouse)
Assay Length	4.5 hours
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 clia kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Hepatocyte Nuclear Factor 1 Beta (HNF1b) level in the sample or standard.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507397
NCBI GeneID	6928
NCBI Accession #	NP_000449.1
NCBI GenBank Nucleotide #	NM_000458.2
UniProt Accession #	P35680; B4DKM3; E0YMJ9
Molecular Weight	61,324 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
NCBI Protein Information	hepatocyte nuclear factor 1-beta; HNF-1-beta; HNF1 beta A; homeoprotein LFB3; transcription factor 2, hepatic
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
UniProt Entry Name	HNF1B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/clia-kits/hepatocyte-nuclear-factor-1-beta-hnf1b/130490>