

Mouse Hepatocyte Nuclear Factor 4 Alpha ELISA Kit | HNF4alpha elisa kit

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CATALOG #
AAA84462

REACTIVITY
Mouse

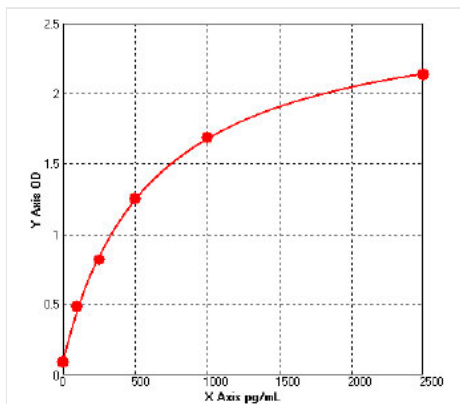
PRODUCT SYNONYMS

Hepatocyte Nuclear Factor 4 Alpha; Mouse Hepatocyte Nuclear Factor 4 Alpha ELISA Kit; HNF4alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HNF4alpha. No significant cross-reactivity or interference between HNF4alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HNF4alpha and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HNF4alpha elisa kit	Intended Uses: This HNF4alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HNF4alpha. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: HNF4alpha ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for HNF4alpha. Standards or samples are then added to the microtiter plate wells and HNF4alpha if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HNF4alpha present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HNF4alpha are added to each well to "sandwich" the HNF4alpha immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HNF4alpha and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HNF4alpha concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HNF4alpha elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	71725341
NCBI GeneID	3172
NCBI Accession #	NP_001025174.1
NCBI GenBank Nucleotide #	NM_001030003.2
Molecular Weight	43,988 Da
NCBI Official Full Name	hepatocyte nuclear factor 4-alpha isoform HNF4alpha7
NCBI Official Synonym Full Names	hepatocyte nuclear factor 4, alpha
NCBI Official Symbol	HNF4A
NCBI Official Synonym Symbols	TCF; HNF4; MODY; MODY1; NR2A1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21; HNF4alpha
NCBI Protein Information	hepatocyte nuclear factor 4-alpha; TCF-14; HNF4alpha10/11/12; transcription factor 14; transcription factor HNF-4; hepatic nuclear factor 4 alpha; nuclear receptor subfamily 2 group A member 1
UniProt Protein Name	Hepatocyte nuclear factor 4-alpha
UniProt Gene Name	HNF4A
UniProt Synonym Gene Names	HNF4; NR2A1; TCF14; HNF-4-alpha; TCF-14
UniProt Entry Name	HNF4A_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.

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Online datasheet: <https://stage.aaabiotech.com/hnf4alpha-mouse-elisa-kits/hepatocyte-nuclear-factor-4-alpha/84462>