

Human Hepatocyte Nuclear Factor 4 Alpha ELISA Kit | HNF4Alpha elisa kit

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CATALOG #
AAA86611

REACTIVITY
Human

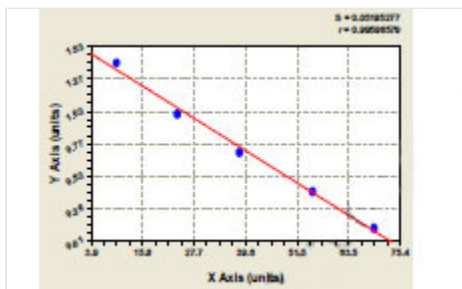
PRODUCT SYNONYMS

Hepatocyte Nuclear Factor 4 Alpha; Human Hepatocyte Nuclear Factor 4 Alpha ELISA Kit; HNF4Alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
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 HNF-4-alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HNF-4-alpha. This ELISA kit for research use only!

Principle of the Assay: HNF-4-alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-HNF-4-alpha antibody and an HNF-4-alpha-HRP conjugate. The assay sample and buffer are incubated together with HNF-4-alpha-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HNF-4-alpha concentration since HNF-4-alpha from samples and HNF-4-alpha-HRP conjugate compete for the anti-HNF-4-alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by HNF-4-alpha from the sample, fewer sites are left to bind HNF-4-alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HNF-4-alpha 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-human-elisa-kits/hepatocyte-nuclear-factor-4-alpha/86611>