# Mouse Nuclear receptor subfamily 5 group A member 2 (NR5A2) ELISA Kit

Catalog No: #EK11194

Package Size: #EK11194-1 48T #EK11194-2 96T

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## Description

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| Product Name | Mouse Nuclear receptor subfamily 5 group A member 2 (NR5A2) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Mouse (Mus musculus) |
| Other Names | B1F; B1F2; CPF; FTF; FTZ-F1; FTZ-F1beta; LRH-1; LRH1; hB1F; hB1F-2; CYP7A promoter-binding factor\|b1-binding factor; hepatocyte transcription factor which activates enhancer II of hepatitis B virus\| |
| Accession No. | P45448 |
| Uniprot | P45448 |
| GeneID | 26424; |
| Storage | The stability of ELISA 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.<br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.112 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate NR5A2 in samples. An antibody specific for NR5A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNR5A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NR5A2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NR5A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:By means of yeast 1-hybrid screening of a liver cDNA library, Li et al. (1998) cloned a cDNA encoding a novel hepatocyte transcription factor, which they called HB1F for human B1-binding factor. The deduced 495-amino acid protein, which has a molecular mass of 54 kD, belongs to the fushi tarazu factor-1 (FTZ-F1) subfamily of orphan nuclear receptors and is closely related to steroidogenic factor-1 (SF1), another member of this subfamily.

HB1F contains a DNA-binding domain with 2 zinc finger motifs, an FTZ-F1 box, and a ligand-binding domain. Northern blot analysis revealed that HB1F is expressed in liver, pancreas, and lung as a 5.2-kb transcript. An additional transcript of 3.8 kb was present in hepatoma cells HepG2. The authors identified 2 HB1F isoforms which differ in their A/B region.

Note: This product is for in vitro research use only