

## Human Bile acid receptor ELISA Kit | NR1H4 elisa kit

Human Bile acid receptor ELISA Kit

CATALOG #  
**AAA102443**

REACTIVITY  
**Human**

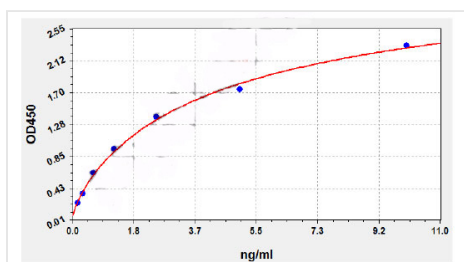
### PRODUCT SYNONYMS

Bile acid receptor; Human Bile acid receptor ELISA Kit; NR1H4 (Bile acid receptor)/Retinoid X receptor-interacting protein 14/RXR-interacting protein 14/Nuclear receptor subfamily 1 group H member 4/Farnesoid X-activated receptor/Farnesol receptor/HRR-1/BAR/FXR/HRR1/RIP14; NR1H4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of NR1H4. No significant cross-reactivity or interference between NR1H4 and analogues was observed. |
| Sequence Length         | 486                                                                                                                                                                         |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                             |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                        |
| Detection Range         | 0.156-10ng/ml                                                                                                                                                               |
| Sensitivity             | 0.094ng/ml                                                                                                                                                                  |
| Intra-assay Precision   | CV<8%                                                                                                                                                                       |
| Inter-assay Precision   | CV<10%                                                                                                                                                                      |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C                |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for NR1H4 elisa kit

**Principle of the Assay:** This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 332801067                                         |
| NCBI GeneID                      | 9971                                              |
| NCBI Accession #                 | NP_001193922.1                                    |
| NCBI GenBank Nucleotide #        | NM_001206993.1                                    |
| Molecular Weight                 | 48,795 Da                                         |
| NCBI Official Full Name          | bile acid receptor isoform 3                      |
| NCBI Official Synonym Full Names | nuclear receptor subfamily 1 group H member 4     |
| NCBI Official Symbol             | NR1H4                                             |
| NCBI Official Synonym Symbols    | BAR; FXR; HRR1; HRR-1; RIP14                      |
| NCBI Protein Information         | bile acid receptor                                |
| UniProt Protein Name             | Bile acid receptor                                |
| UniProt Gene Name                | NR1H4                                             |
| UniProt Synonym Gene Names       | BAR; FXR; HRR1; RIP14; RXR-interacting protein 14 |
| UniProt Entry Name               | NR1H4_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/nr1h4-human-elisa-kits/bile-acid-receptor/102443>