

## Human Transcription factor 21 ELISA Kit | TCF21 elisa kit

Human Transcription factor 21 ELISA Kit

CATALOG #  
**AAA102344**

REACTIVITY  
**Human**

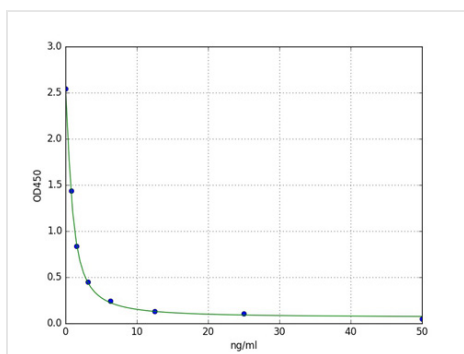
### PRODUCT SYNONYMS

Transcription factor 21; Human Transcription factor 21 ELISA Kit; TCF21/Transcription factor 21/TCF-21/Podocyte-expressed 1/Pod-1/Epicardin/Capsulin/Class A basic helix-loop-helix protein 23/bHLHa23/BHLHA23/POD1; TCF21 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                        |
| Sequence Length         | 179                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 0.781-50ng/ml                                                                                                                                                |
| Sensitivity             | 0.469ng/ml                                                                                                                                                   |
| 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)

#### Typical Data & Standard Curve

Results of a typical standard run of a TCF21 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

| X | ng/ml | 0     | 0.781 | 1.563 | 3.125 | 6.25  | 12.5  | 25    | 50    |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y | OD450 | 2.201 | 1.8   | 1.506 | 1.137 | 0.825 | 0.554 | 0.433 | 0.328 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TCF21 elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with an antibody specific to TCF21. During the reaction, TCF21 in the sample or standard competes with a fixed amount of biotin-labeled TCF21 for sites on a pre-coated Monoclonal antibody specific to TCF21. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of TCF21 in the samples is then determined by comparing the OD. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 38202239                              |
| NCBI GeneID                      | 6943                                  |
| NCBI Accession #                 | NP_938206.1                           |
| NCBI GenBank Nucleotide #        | NM_198392.2                           |
| Molecular Weight                 | 19,715 Da                             |
| NCBI Official Full Name          | transcription factor 21               |
| NCBI Official Synonym Full Names | transcription factor 21               |
| NCBI Official Symbol             | TCF21                                 |
| NCBI Official Synonym Symbols    | POD1; bHLHa23                         |
| NCBI Protein Information         | transcription factor 21               |
| UniProt Protein Name             | Transcription factor 21               |
| UniProt Gene Name                | <b>TCF21</b>                          |
| UniProt Synonym Gene Names       | BHLHA23; POD1; TCF-21; bHLHa23; Pod-1 |
| UniProt Entry Name               | TCF21_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://www.aaabiotech.com/tcf21-human-elisa-kits/transcription-factor-21/102344>