

## Mouse Titin ELISA Kit | TTN elisa kit

Mouse Titin (TTN) (Sandwich ELISA) ELISA Kit

CATALOG #  
**AAA23130**

REACTIVITY  
**Mouse**

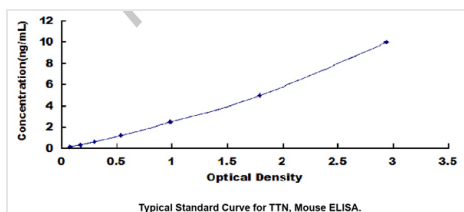
### PRODUCT SYNONYMS

Titin; Mouse Titin (TTN) (Sandwich ELISA) ELISA Kit; CMD1G; CMH9; CMPD4; HMERF; LGMD2J; TMD; Cardiomyopathy; Dilated 1G(Autosomal Dominant); ELISA Kit for Titin (TTN); TTN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of TTN. No significant cross-reactivity or interference between TTN and analogues was observed.                                 |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                   |
| Samples                 | Mouse tissue homogenates, cell lysates and other biological fluids                                                                                                                                      |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                           |
| Sensitivity             | < 0.059ng/mL                                                                                                                                                                                            |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TTN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TTN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | 4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year                                                                                                           |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TTN elisa kit

**Principle of the Assay:** The microplate provided in this kit has been pre-coated with an antibody specific to TTN. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TTN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TTN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of TTN in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Intended Uses:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TTN in mouse tissue homogenates, cell lysates and other biological fluids.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                              |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 160358754                                                                                                                    |
| NCBI GeneID                      | 22138                                                                                                                        |
| UniProt Accession #              | A2ASS6; A2ASS5; A2ASS7                                                                                                       |
| Molecular Weight                 | 3,906,488 Da                                                                                                                 |
| NCBI Official Full Name          | Titin                                                                                                                        |
| NCBI Official Synonym Full Names | titin                                                                                                                        |
| NCBI Official Symbol             | Ttn                                                                                                                          |
| NCBI Official Synonym Symbols    | L56; mdm; shru; AF006999; AV006427; 1100001C23Rik; 2310036G12Rik; 2310057K23Rik; 2310074I15Rik; D330041I19Rik; D830007G01Rik |
| NCBI Protein Information         | titin; connectin                                                                                                             |
| UniProt Protein Name             | Titin                                                                                                                        |
| UniProt Gene Name                | Ttn                                                                                                                          |
| UniProt Entry Name               | TITIN_MOUSE                                                                                                                  |

**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/ttn-mouse-elisa-kits/titin/23130>