

Human Titin (TTN) ELISA Kit | TTN elisa kit

Human Titin (TTN) ELISA Kit

CATALOG #
AAA184937

REACTIVITY
Human

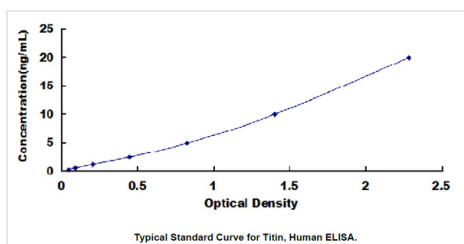
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of titin. No significant cross-reactivity or interference between titin and analogues was observed.
Sequence Length	34,484
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.119ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level titin 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 titin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

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 titin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to titin. 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 titin, 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 ± 10nm. The concentration of titin 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 titin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	1212992
NCBI GeneID	7273
UniProt Accession #	Q8WZ42; Q10465; Q10466; Q15598; Q2XUS3; Q32Q60; Q4U1Z6; Q4ZG20; A6NKB1; E7EQE6; E7ET18; K7ENY1
Molecular Weight	3,831,069 Da
NCBI Official Full Name	titin
NCBI Official Synonym Full Names	titin
NCBI Official Symbol	TTN
NCBI Official Synonym Symbols	TMD; CMH9; CMD1G; CMPD4; EOMFC; HMERF; MYLK5; SALMY; LGMD2J
NCBI Protein Information	titin
UniProt Protein Name	Titin
UniProt Gene Name	TTN

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.