

Human Anti titin antibody ELISA Kit | TTN elisa kit

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CATALOG #
AAA15979

REACTIVITY
Human

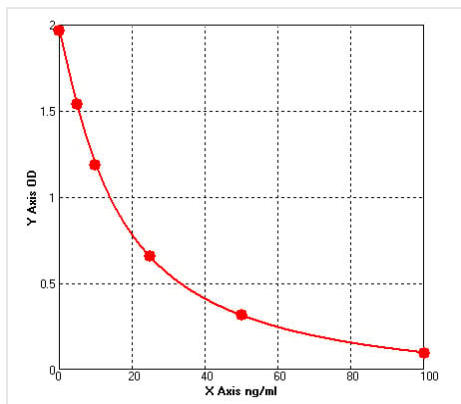
PRODUCT SYNONYMS

Anti titin antibody; Human Anti titin antibody ELISA Kit; TTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TTNAb. No significant cross-reactivity or interference between TTNAb and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TTNAb and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TTN elisa kit	Principle of the Assay: TTNAb ELISA kit applies the competitive enzyme immunoassay technique utilizing Titin antigen and an TTNAb-HRP conjugate. The assay sample and buffer are incubated together with TTNAb-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TTNAb concentration since TTNAb from samples and TTNAb-HRP conjugate compete for the Titin antigen binding site. Since the number of sites is limited, as more sites are occupied by TTNAb from the sample, fewer sites are left to bind TTNAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TTNAb concentration in each sample is interpolated from this standard curve. Intended Uses: This TTNAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TTNAb. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for TTN elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	78394929
NCBI GeneID	7273
Molecular Weight	3,831,069 Da
NCBI Official Full Name	TTN protein, partial
NCBI Official Synonym Full Names	titin
NCBI Official Symbol	TTN
NCBI Official Synonym Symbols	TMD; CMH9; CMD1G; CMPD4; EOMFC; HMERF; MYLK5; LGMD2J
NCBI Protein Information	titin; connectin; rhabdomyosarcoma antigen MU-RMS-40.14
UniProt Protein Name	Titin
UniProt Gene Name	TTN
UniProt Entry Name	TITIN_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/ttn-human-elisa-kits/anti-titin-antibody/15979>