

Rat titin (TTN) ELISA Kit | TTN elisa kit

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CATALOG #
AAA247108

REACTIVITY
Rat

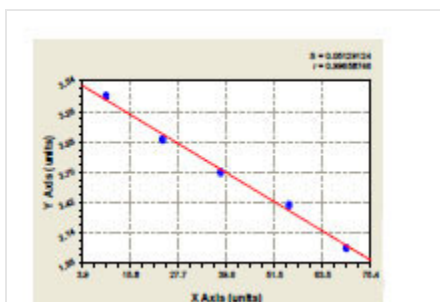
PRODUCT SYNONYMS

titin (TTN); Rat titin (TTN) ELISA Kit; TTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TTN elisa kit

Intended Uses: This titin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat titin.

Principle of the Assay: titin ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-titin antibody and an titin-HRP conjugate. The assay sample and buffer are incubated together with titin-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 titin concentration since titin from samples and titin-HRP conjugate compete for the anti-titin antibody binding site. Since the number of sites is limited, as more sites are occupied by titin from the sample, fewer sites are left to bind titin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The titin concentration in each sample is interpolated from this standard curve.

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.

