

Bovine Troponin T, cardiac muscle (TNNT2) ELISA Kit

Catalog No: #EK6142



Package Size: #EK6142-1 48T #EK6142-2 96T

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Description

Product Name	Bovine Troponin T, cardiac muscle (TNNT2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	CMH2; CMPD2; MGC3889; RCM3; TnTC; cTnT; OTTHUMP00000033864 OTTHUMP00000033867 cardiomyopathy; dilated 1D (autosomal dominant) cardiomyopathy; hypertrophic 2 troponin T type 2; cardiac troponin T; ca
Accession No.	P13789
Uniprot	P13789
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:5.2 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TNNT2 in samples. An antibody specific for TNNT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNNT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNNT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNNT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TNNT2 is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well

Note: This product is for in vitro research use only