

Datasheet for ABIN2703538

Troponin T ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity: 96 tests

Target: Troponin T (Tn T)

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 0.35-25 ng/mL

Minimum Detection Limit: 0.35 ng/mL

Application: ELISA

Product Details

Purpose: Human Troponin T ELISA Kit for cell culture supernatants, plasma, and serum samples.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: human ADAM-9, Angiopoietin 2, APRIL, BMP-2, BMP-9, C5a, Cathepsin L, CD200, CD97, Chemerin, DcR3, FABP2, FAP, FGF-19, Galectin-3, HGF R, IFN-gamma, IGF-2, IGF-2 R, IL-1R6, IL-24, IL-33, Kallikrein 14, Legumain, LOX-1, MBL, Nephilysin, Notch-1, NOV, Osteoactivin, PD-1, PGRP-5, Serpin A4, sFRP-3, Thrombomodulin, TLR2, TRAIL R1, WIF-1

Sensitivity: 0.35 ng/mL

Characteristics:

- Strip plates and additional reagents allow for use in multiple experiments

Product Details

- Quantitative protein detection
- Establishes normal range
- The best products for confirmation of antibody array data

- Components:
- Pre-Coated 96-well Strip Microplate
 - Wash Buffer
 - Stop Solution
 - Assay Diluent(s)
 - Lyophilized Standard
 - Biotinylated Detection Antibody
 - Streptavidin-Conjugated HRP
 - TMB One-Step Substrate

- Material not included:
- Distilled or deionized water
 - Precision pipettes to deliver 2 μ L to 1 μ L volumes
 - Adjustable 1-25 μ L pipettes for reagent preparation
 - 100 μ L and 1 liter graduated cylinders
 - Tubes to prepare standard and sample dilutions
 - Absorbent paper
 - Microplate reader capable of measuring absorbance at 450nm
 - Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: Troponin T (Tn T)

Alternative Name: Troponin T ([Tn T Products](#))

Background: Gene Names: TNNT1 TNT
Protein names: Troponin T, slow skeletal muscle (TnTs) (Slow skeletal muscle troponin T) (sTnT)

Gene ID: 7138

UniProt: [P13805](#)

Application Details

Application Notes: Recommended Dilution for serum and plasma samples 2 fold

Sample Volume: 100 μ L

Plate: Pre-coated

Application Details

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 μ L of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 μ L of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μ L of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 μ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

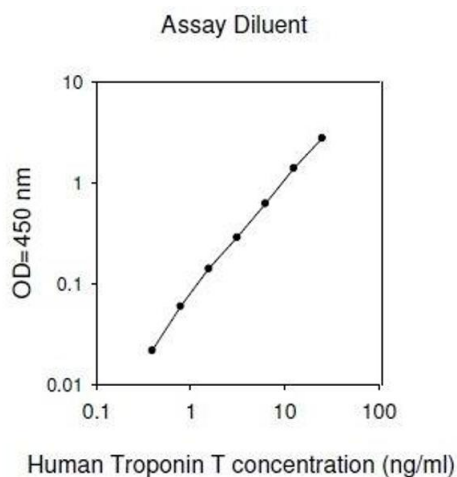
Handling

Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 6 months

Images



ELISA

Image 1.