

Datasheet for ABIN4884913

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

## Overview

|                          |                   |
|--------------------------|-------------------|
| Quantity:                | 96 tests          |
| Target:                  | Troponin I (TNNI) |
| Reactivity:              | Human             |
| Method Type:             | Sandwich ELISA    |
| Detection Range:         | 0.614-150 ng/mL   |
| Minimum Detection Limit: | 0.614 ng/mL       |
| Application:             | ELISA             |

## Product Details

|                    |                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:           | Human Troponin I ELISA Kit for Serum, Plasma, and Cell Culture Supernatants.                                                                                                                                                                                                 |
| Sample Type:       | Plasma, Cell Culture Supernatant, Serum                                                                                                                                                                                                                                      |
| Analytical Method: | Quantitative                                                                                                                                                                                                                                                                 |
| Detection Method:  | Colorimetric                                                                                                                                                                                                                                                                 |
| Specificity:       | This ELISA antibody pair recognizes Human Troponin I.                                                                                                                                                                                                                        |
| Sensitivity:       | 0.61 ng/mL                                                                                                                                                                                                                                                                   |
| Characteristics:   | <ul style="list-style-type: none"><li>• Strip plates and additional reagents allow for use in multiple experiments</li><li>• Quantitative protein detection</li><li>• Establishes normal range</li><li>• The best products for confirmation of antibody array data</li></ul> |
| Components:        | <ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li></ul>                                                                                                                                                                                        |

## Product Details

- 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 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL 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 I (TNNI)

Alternative Name: Troponin I ([TNNI Products](#))

Gene ID: 7136

UniProt: [P48788](#)

## Application Details

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

Sample Volume: 100 µL

Plate: Pre-coated

Protocol:

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

Application Details

11. Read at 450 nm immediately.

Restrictions: For Research Use only

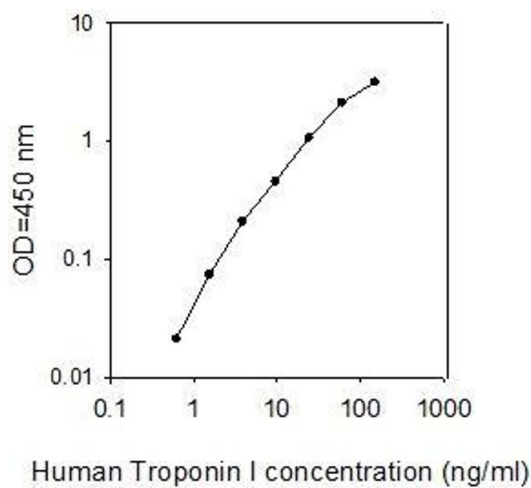
Handling

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.** Standard Curve