

## Human Total Carnitine, TC ELISA Kit | TC elisa kit

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CATALOG #  
**AAA43754**

REACTIVITY  
**Human**

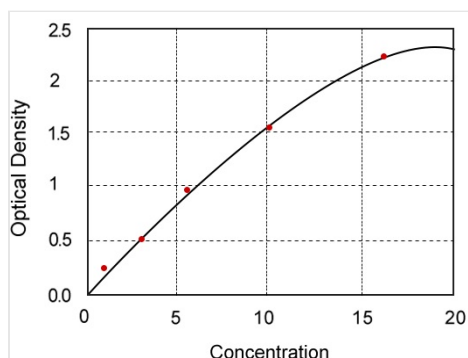
### PRODUCT SYNONYMS

Total Carnitine; TC; Human Total Carnitine; TC ELISA Kit; TC elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Human                                                                    |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 1nmol/ml - 300nmol/ml                                                    |
| Sensitivity             | 0.05nmol/ml                                                              |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TC elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of human Total Carnitine (also known as TC) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human TC antibody. TC present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human TC Antibody is added and binds to TC in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated TC antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human TC. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

**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/human-elisa-kits/total-carnitine-tc/43754>