

Human L-Carnitine (L-Carnitine) ELISA Kit

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CATALOG #
AAA43820

REACTIVITY
Human

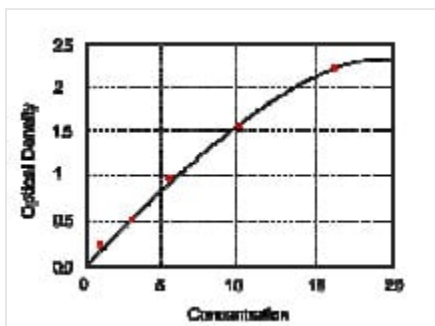
PRODUCT SYNONYMS

L-Carnitine (L-Carnitine); Human L-Carnitine (L-Carnitine) ELISA Kit; L-Carnitine (L-Carnitine) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	505
Samples	Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.1-40ng/mL
Sensitivity	0.053ng/mL
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. 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 L-Carnitine (L-Carnitine) elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of Human L-Carnitine (also known as L-Carnitine) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human L-Carnitine antibody. L-Carnitine present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human L-Carnitine Antibody is added and binds to L-Carnitine in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated L-Carnitine 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 L-Carnitine. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	660588941
NCBI Official Full Name	L-carnitine

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/l-carnitine-l-carnitine/43820>