

Human L-Carnitine ELISA Kit

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CATALOG #
AAA55793

REACTIVITY
Human

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human KL. No significant cross-reactivity or interference between Human KL and analogues was observed.
Sequence Length	505
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	6.25 pg/mL-400 pg/mL
Sensitivity	2 pg/mL (mean of 6 independent assays).
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times 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 forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for L-Carnitine elisa kit

Intended Uses: For the quantitative detection of Human Klotho (KL) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate KL in Human serum, plasma. An antibody specific for KL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any KL present is bound by the immobilized antibody. After removing any unbound substances, a biotinconjugated antibody specific for KL 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 KL bound in the initial step. The color development is stopped and the intensity of the color is measured.

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.