

Human CT2 (Carnitine Transporter 2) ELISA Kit | CT2 elisa kit

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CATALOG #
AAA250092

REACTIVITY
Human

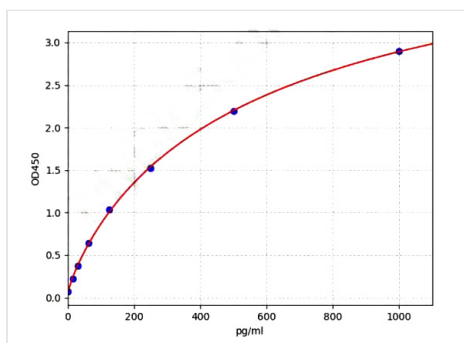
PRODUCT SYNONYMS

CT2 (Carnitine Transporter 2); Human CT2 (Carnitine Transporter 2) ELISA Kit; Solute carrier family 22 member 16; Carnitine transporter 2; CT2; Fly-like putative transporter 2; FLIPT2; Flipt 2; Organic cation transporter OKB1; Organic cation/carnitine transporter 6; OCT6; SLC22A16; CT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CT2. No significant cross -reactivity or interference between CT2 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CT2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24817720
NCBI GeneID	85413
UniProt Accession #	Q86VW1; O14567; Q5JXM1; Q8IUG8; Q8IZD5; Q96M90; Q96RU0
Molecular Weight	60,870 Da
NCBI Official Full Name	carnitine transporter 2
NCBI Official Synonym Full Names	solute carrier family 22 member 16
NCBI Official Symbol	SLC22A16
NCBI Official Synonym Symbols	CT2; OAT6; OCT6; OKB1; FLIPT2; HEL-S-18; dJ261K5.1
NCBI Protein Information	solute carrier family 22 member 16
UniProt Protein Name	Solute carrier family 22 member 16
UniProt Gene Name	SLC22A16
UniProt Synonym Gene Names	OCT6; CT2; FLIPT2; Flipt 2

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.