

Human CTNS (Cystinosis) ELISA Kit | CTNS elisa kit

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CATALOG #
AAA249949

REACTIVITY
Human

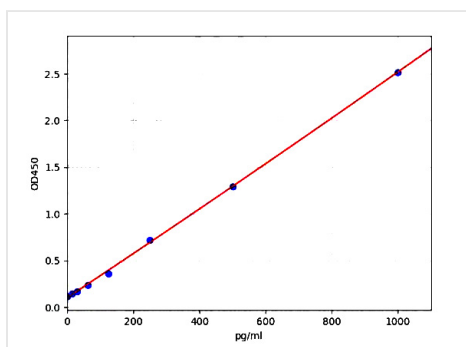
PRODUCT SYNONYMS

CTNS (Cystinosis); Human CTNS (Cystinosis) ELISA Kit; Cystinosis; CTNS; CTNS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTNS. No significant cross-reactivity or interference between CTNS and analogues was observed.
Assay Type	Sandwich
Samples	Cell lysates, 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 CTNS 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119943110
NCBI GeneID	1497
NCBI Accession #	NP_004928.2
NCBI GenBank Nucleotide #	NM_004937.2
UniProt Accession #	O60931; Q8IZ01; Q9UNK6; D3DTJ5
Molecular Weight	45,039 Da
NCBI Official Full Name	cystinosin isoform 2
NCBI Official Synonym Full Names	cystinosin, lysosomal cystine transporter
NCBI Official Symbol	CTNS
NCBI Official Synonym Symbols	PQLC4; CTNS-LSB
NCBI Protein Information	cystinosin
UniProt Protein Name	Cystinosin
UniProt Gene Name	CTNS
UniProt Entry Name	CTNS_HUMAN

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://www.aaabiotech.com/human-elisa-kits/ctns-cystinosin/249949>