

Human Cystinosin (CTNS) ELISA Kit | CTNS elisa kit

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CATALOG #
AAA246954

REACTIVITY
Human

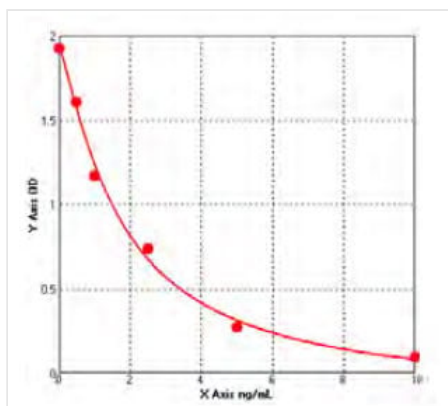
PRODUCT SYNONYMS

Cystinosin (CTNS); Human Cystinosin (CTNS) ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CTNS and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTNS elisa kit	Principle of the Assay: CTNS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CTNS antibody and an CTNS-HRP conjugate. The assay sample and buffer are incubated together with CTNS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CTNS concentration since CTNS from samples and CTNS-HRP conjugate compete for the anti-CTNS antibody binding site. Since the number of sites is limited, as more sites are occupied by CTNS from the sample, fewer sites are left to bind CTNS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CTNS concentration in each sample is interpolated from this standard curve. Intended Uses: This CTNS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CTNS. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13752577
NCBI GeneID	83429
NCBI Accession #	NP_112541.1
NCBI GenBank Nucleotide #	NM_031251.4
Molecular Weight	42,203 Da
NCBI Official Full Name	cystinosin
NCBI Official Synonym Full Names	cystinosis, nephropathic
NCBI Official Symbol	Ctns
NCBI Official Synonym Symbols	AI195360; AW049661
NCBI Protein Information	cystinosin
UniProt Protein Name	Cystinosin
UniProt Gene Name	Ctns
UniProt Entry Name	CTNS_MOUSE

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/cystinosin-ctns/246954>