

Human ornithine carbamoyltransferase ELISA Kit | OTC elisa kit

Human Ornithine carbamoyltransferase, mitochondrial, OTC ELISA Kit

CATALOG #
AAA18004

REACTIVITY
Human

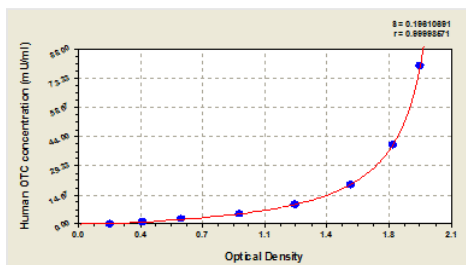
PRODUCT SYNONYMS

ornithine carbamoyltransferase; Human Ornithine carbamoyltransferase; mitochondrial; OTC ELISA Kit; mitochondrial (OTC) ELISA kit; MGC129967; MGC129968; MGC138856; OCTD; ornithine transcarbamylase; OTC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human OTC. No significant cross-reactivity or interference between human OTC and analogues was observed.
Sequence Length	354
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and cell lysates
Detection Range	1.25 mU/ml-80 mU/ml
Sensitivity	< 0.312 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OTC elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for OTC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any OTC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for OTC is added to the wells. After washing, avidin 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 OTC bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38788445
NCBI GeneID	5009
NCBI Accession #	NP_000522.3
NCBI GenBank Nucleotide #	NM_000531.5
UniProt Accession #	P00480; Q3KNR1; Q6B0I1; Q9NYJ5; A8K9P2; D3DWB0
Molecular Weight	39,935 Da
NCBI Official Full Name	ornithine carbamoyltransferase, mitochondrial
NCBI Official Synonym Full Names	ornithine carbamoyltransferase
NCBI Official Symbol	OTC
NCBI Official Synonym Symbols	OCTD
NCBI Protein Information	ornithine carbamoyltransferase, mitochondrial; OTCase; ornithine transcarbamylase
UniProt Protein Name	Ornithine carbamoyltransferase, mitochondrial
UniProt Gene Name	OTC
UniProt Synonym Gene Names	OTCase
UniProt Entry Name	OTC_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://stage.aaabiotech.com/otc-human-elisa-kits/ornithine-carbamoyltransferase/18004>