

Human Ornithine Carbamoyl Transferase (OCT) ELISA Kit | OCT elisa kit

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CATALOG #
AAA139733

REACTIVITY
Human

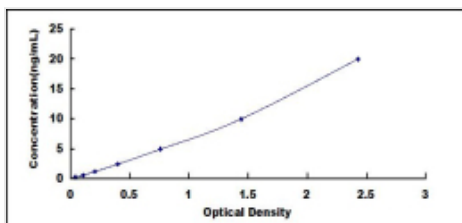
PRODUCT SYNONYMS

Ornithine Carbamoyl Transferase (OCT); Human Ornithine Carbamoyl Transferase (OCT) ELISA Kit; OCTD; OTCase; Ornithine Transcarbamylase; Ornithine Carbamoyltransferase; OCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ornithine Carbamoyl Transferase (OCT). No significant cross-reactivity or interference between Ornithine Carbamoyl Transferase (OCT) and analogues was observed.
Sequence Length	321
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.27ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Ornithine Carbamoyl Transferase (OCT) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Ornithine Carbamoyl Transferase (OCT) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OCT elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ornithine Carbamoyl Transferase (OCT). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ornithine Carbamoyl Transferase (OCT). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Ornithine Carbamoyl Transferase (OCT), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Ornithine Carbamoyl Transferase (OCT) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for OCT elisa kit	Enzyme & Kinase; Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	389890610
Molecular Weight	35,049 Da
NCBI Official Full Name	ornithine carbamoyl transferase
UniProt Protein Name	Ornithine carbamoyltransferase
UniProt Gene Name	argF
UniProt Synonym Gene Names	OTCase
UniProt Entry Name	I3WIG4_BIFBI

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/human-elisa-kits/ornithine-carbamoyl-transferase-oct/139733>