

Canine Ornithine Carbamoyl Transferase ELISA Kit | OCT elisa kit

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CATALOG #
AAA92505

REACTIVITY
Canine

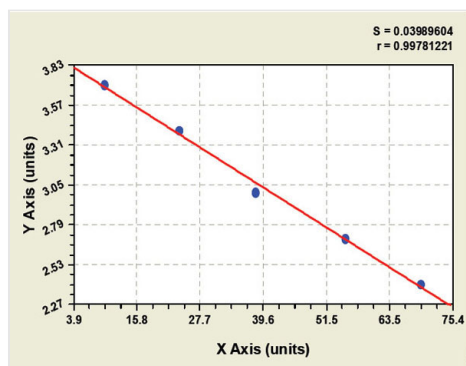
PRODUCT SYNONYMS

Ornithine Carbamoyl Transferase; Canine Ornithine Carbamoyl Transferase ELISA Kit; OCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This OCT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine OCT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OCT elisa kit

Principle of the Assay: OCT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-OCT antibody and an OCT-HRP conjugate. The assay sample and buffer are incubated together with OCT-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 OCT concentration since OCT from samples and OCT-HRP conjugate compete for the anti-OCT antibody binding site. Since the number of sites is limited, as more sites are occupied by OCT from the sample, fewer sites are left to bind OCT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OCT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	390936997
NCBI GeneID	13068963
NCBI Accession #	YP_006394556.1
NCBI GenBank Nucleotide #	NC_017999.1
Molecular Weight	35,049 Da
NCBI Official Full Name	ornithine carbamoyl transferase
NCBI Official Symbol	argF
NCBI Protein Information	ornithine carbamoyl transferase
UniProt Protein Name	Ornithine carbamoyltransferase
UniProt Gene Name	argF
UniProt Synonym Gene Names	BBB_1085; 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/oct-canine-elisa-kits/ornithine-carbamoyl-transferase/92505>