

Rat Cocaine And Amphetamine Regulated Transcript (CART) ELISA Kit | CART elisa kit

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CATALOG #
AAA136294

REACTIVITY
Rat

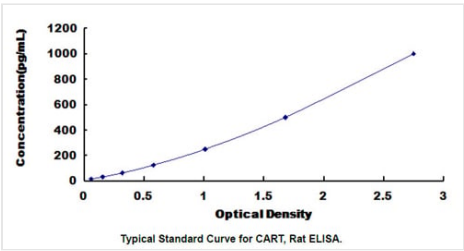
PRODUCT SYNONYMS

Cocaine And Amphetamine Regulated Transcript (CART); Rat Cocaine And Amphetamine Regulated Transcript (CART) ELISA Kit; CARTPT; CART elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cocaine And Amphetamine Regulated Transcript (CART). No significant cross-reactivity or interference between Cocaine And Amphetamine Regulated Transcript (CART) and analogues was observed.
Sequence Length	116
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	15.62-1000pg/mL
Sensitivity	5.9pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cocaine And Amphetamine Regulated Transcript (CART) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cocaine And Amphetamine Regulated Transcript (CART) 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 CART 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 Cocaine And Amphetamine Regulated Transcript (CART). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cocaine And Amphetamine Regulated Transcript (CART). 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 Cocaine And Amphetamine Regulated Transcript (CART), 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 Cocaine And Amphetamine Regulated Transcript (CART) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CART elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757910
NCBI GeneID	9607
NCBI Accession #	NP_004282.1
NCBI GenBank Nucleotide #	NM_004291.3
UniProt Accession #	Q16568; Q6FG92
Molecular Weight	12,829 Da
NCBI Official Full Name	cocaine- and amphetamine-regulated transcript protein preproprotein
NCBI Official Synonym Full Names	CART prepropeptide
NCBI Official Symbol	CARTPT
NCBI Official Synonym Symbols	CART
NCBI Protein Information	cocaine- and amphetamine-regulated transcript protein
UniProt Protein Name	Cocaine- and amphetamine-regulated transcript protein
UniProt Gene Name	CARTPT
UniProt Synonym Gene Names	CART
UniProt Entry Name	CART_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.