

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

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CATALOG #
AAA277893

REACTIVITY
Human

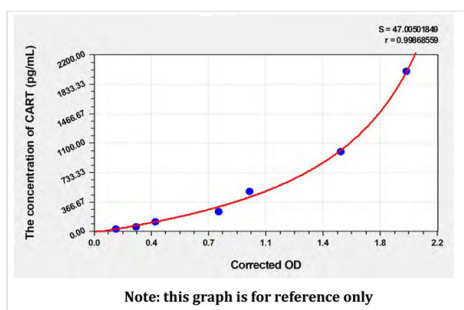
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human CART. No significant cross-reactivity or interference between Human CART and analogues was observed.
Assay Type	Sandwich
Detection Range	31.25-2000 pg/mL
Sensitivity	18.6 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CART elisa kit

Principle of the Assay: 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 Human CART. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human 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 Human 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 Human CART in the samples is then determined by comparing the OD of the samples to the standard curve.

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cart-cocaine-and-amphetamine-regulated-transcript/277893>