

Mouse Carnitine O-acetyltransferase ELISA Kit | CRAT elisa kit

Mouse Carnitine O-acetyltransferase (CRAT) ELISA Kit

CATALOG #
AAA55570

REACTIVITY
Mouse

PRODUCT SYNONYMS

Carnitine O-acetyltransferase; Mouse Carnitine O-acetyltransferase (CRAT) ELISA Kit; CRAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CRAT. No significant cross-reactivity or interference between Mouse CRAT and analogues was observed.
Sequence Length	626
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	6.25 pg/mL - 400 pg/mL
Sensitivity	3.1 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for CRAT elisa kit	Intended Uses: For the quantitative detection of Mouse Carnitine O-acetyltransferase (CRAT) concentration in serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate CRAT in Mouse serum, plasma, tissue homogenates. An antibody specific for CRAT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CRAT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CRAT is added to the wells. After washing, Streptavidin 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 CRAT bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	85662408
NCBI GeneID	12908
NCBI Accession #	NP_031786.2
NCBI GenBank Nucleotide #	NM_007760.3

UniProt Accession #	P47934 ; Q3TCG3 ; Q3V1Y3 ; Q923A6
Molecular Weight	70,840 Da
NCBI Official Full Name	carnitine O-acetyltransferase
NCBI Official Synonym Full Names	carnitine acetyltransferase
NCBI Official Symbol	Crat
NCBI Official Synonym Symbols	CARAT; AW107812
NCBI Protein Information	carnitine O-acetyltransferase
UniProt Protein Name	Carnitine O-acetyltransferase
UniProt Gene Name	Crat
UniProt Synonym Gene Names	Carnitine acetylase; CAT; CrAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/crat-mouse-elisa-kits/carnitine-o-acetyltransferase/55570>