

Acetylcarnitine (ALCAR) ELISA Kit | ALCAR elisa kit

General Acetylcarnitine (ALCAR) ELISA Kit

CATALOG #
AAA21067

REACTIVITY
Pan-species (General)

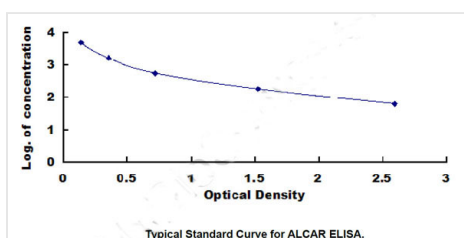
PRODUCT SYNONYMS

Acetylcarnitine (ALCAR); General Acetylcarnitine (ALCAR) ELISA Kit; Acetyl-L-carnitine; ALCAR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pan-species (General)
Specificity	This assay has high sensitivity and excellent specificity for detection of ALCAR.
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	61.7-5,000ng/mL
Sensitivity	< 22.9ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ALCAR were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ALCAR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 ALCAR elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to ALCAR has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled ALCAR and unlabeled ALCAR (Standards or samples) with the pre-coated antibody specific to ALCAR. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of ALCAR in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of ALCAR in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of ALCAR in serum, plasma and other biological fluids.
Product Categories/Family for ALCAR elisa kit	Metabolic pathway; Neuroscience; Nutrition metabolism

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://stage.aaabiotech.com/general-elisa-kits/acetylcarnitine-alcar/21067>