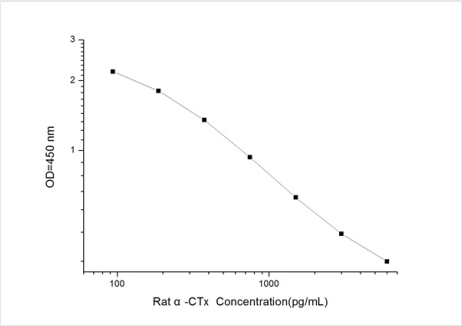
Alpha-Ctx ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	alpha-CTx, ELISA Kit
Full Product Name	Rat alpha-CTx (Alpha Crosslaps) ELISA Kit
Product Gene Name	alpha-CTx elisa kit
Species Reactivity	Rat
Assay Type	Competitive
Samples	Serum, Plasma, Biological Fluids
Detection Range	93.75-6000pg/mL
Sensitivity	Min: 56.25pg/mL; Max: 6000pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat alpha-CTx. No significant cross-reactivity or interference between Rat alpha-CTx and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat alpha-CTx and all the analogues, therefore, cross reaction may still exist.
Preparation and Storage	Store at 4 degree C.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for alpha-CTx elisa kit	**Description:** The kit is a competitive enzyme immunoassay for in vitro quantitative measurement of alpha-CTx in Rat serum, plasma and other biological fluids **Principle of the Assay:** This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with Rat alpha-CTx. During the reaction, Rat alpha-CTx in the sample or standard competes with a fixed amount of Rat alpha-CTx on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat alpha-CTx. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Rat alpha-CTx in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of alpha-CTx elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for alpha-CTx purchase	MBS2503326 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the alpha-CTx, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing alpha-CTx. The ELISA analytical biochemical technique of the MBS2503326 kit is based on alpha-CTx antibody-alpha-CTx antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect alpha-CTx antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, alpha-CTx. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of alpha-CTx elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for alpha-CTx. It may not necessarily be applicable to this product.

Protein Family	Alpha-conotoxin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/rat-elisa-kits/alpha-ctx/2503326