Cytotoxin 4 (CTX IV) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Cytotoxin 4 (CTX IV), Polyclonal Antibody
Full Product Name	Cytotoxin 4 Antibody; HRP conjugated
Product Gene Name	anti-CTX IV antibody
Product Synonym Names	Cytotoxin 4; CTX-4M; CTX4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Naja atra
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: Cytotoxin 4 (MBS7004755) HRP Conjugated Antibody: Cytotoxin 4 (MBS7005915)
Molecular Weight	9,084 Da
3D Structure	ModBase 3D Structure for P01443
Immunogen	Recombinant Naja atra Cytotoxin 4 protein
Conjugation	HRP
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CTX IV antibody	ELISA (EIA)
Related Product Information for anti-CTX IV antibody	Basic protein that bind to cell membrane and depolarizes cardiomyocytes. This cytotoxin also shows lytic activities, but 2-fold more important than that of CTX-A2. It binds to the integrin alpha-V/beta-3 with a moderate affinity. Inhibits protein kinase C. It may interact with sulfatides in the cell membrane, which induces pore formation and cell internalization and is responsible for cytotoxicity in cardiomyocytes. It also may target the mitochondrial membrane and induces mitochondrial swelling and fragmentation.
Other Notes	Small volumes of anti-CTX IV antibody 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 CTX IV purchase	MBS7005915 is an antibody targeting CTX IV. Also known as Cytotoxin 4 Antibody; HRP conjugated. Reactive in Naja atra. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	2851458
NCBI Accession #	P01443.2

UniProt Primary Accession #	P01443
NCBI Official Full Name	Cytotoxin 4
UniProt Protein Name	Cytotoxin 4
UniProt Synonym Protein Names	Cardiotoxin A4
Protein Family	Cytotoxin
UniProt Gene Name	CTX IV
UniProt Synonym Gene Names	CTX IV
UniProt Entry Name	3SA4_NAJAT
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.
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Online datasheet: https://www.mybiosource.com/polyclonal-antibody/cytotoxin-4/7005915