



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-Ciguatoxin CTX3C [10C9] Standard Size Ab03258-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 10C9

**Alternative Name(s) of Target:** CTX; CTX3C; 51-hydroxy-CTX3C

**UniProt Accession Number of Target Protein:**

**Published Application(s):** neutralize, ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing mice with a synthetic hapten comprising ABCDE ring portion conjugated with KLH.

**Specificity:** This antibody specifically recognizes the ABCDE ring portion of ciguatoxin CTX3C and 51-OH-CTX3C. This antibody does not cross react with other toxins like brevetoxin A (BTX-A), brevetoxin B (BTX-B), okadaic acid (OA), and maitotoxin (MTX). Ciguatoxins are the major causative toxins of ciguatera seafood poisoning (CFP). Ciguatera is a foodborne illness caused by eating reef fish whose flesh is contaminated with ciguatoxins.

**Application Notes:** This antibody can be used to detect ciguatoxins in a sample using ELISA. It was also used in the development of a sandwich ELISA to detect CTX3C at the ppb level. Dissociation constant of this antibody for ciguatoxin CTX3C was  $K_d = 2.8$  nM (PMID: 12812503). This antibody was also used in combination with another antibody 3D11 for effective neutralization of ciguatoxins in vitro and in vivo (PMID: 19254735).

**Antibody First Published in:** Oguri et al. Synthesis-based approach toward direct sandwich immunoassay for ciguatoxin CTX3C. J Am Chem Soc. 2003 Jun 25;125(25):7608-12. [PMID:12812503](#)

**Note on publication:** Monoclonal antibodies against both ends of ciguatoxins were generated for the development of sandwich immunoassay for detection of ciguatoxin CTX3C.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.