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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Ciguatoxin CTX3C [10C9] Bulk Size Ab03258-23.0-BT

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 $K_d = 2.8 \text{ nM}$ (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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.