Supplementary Materials: Novel Polyclonal Antibody Raised against Tetrodotoxin Using Its Haptenic Antigen Prepared from 4,9-anhydrotetrodotoxin Reacted with 1,2-Ethaneditiol and Further Reacted with Keyhole Limpet Hemocyanin

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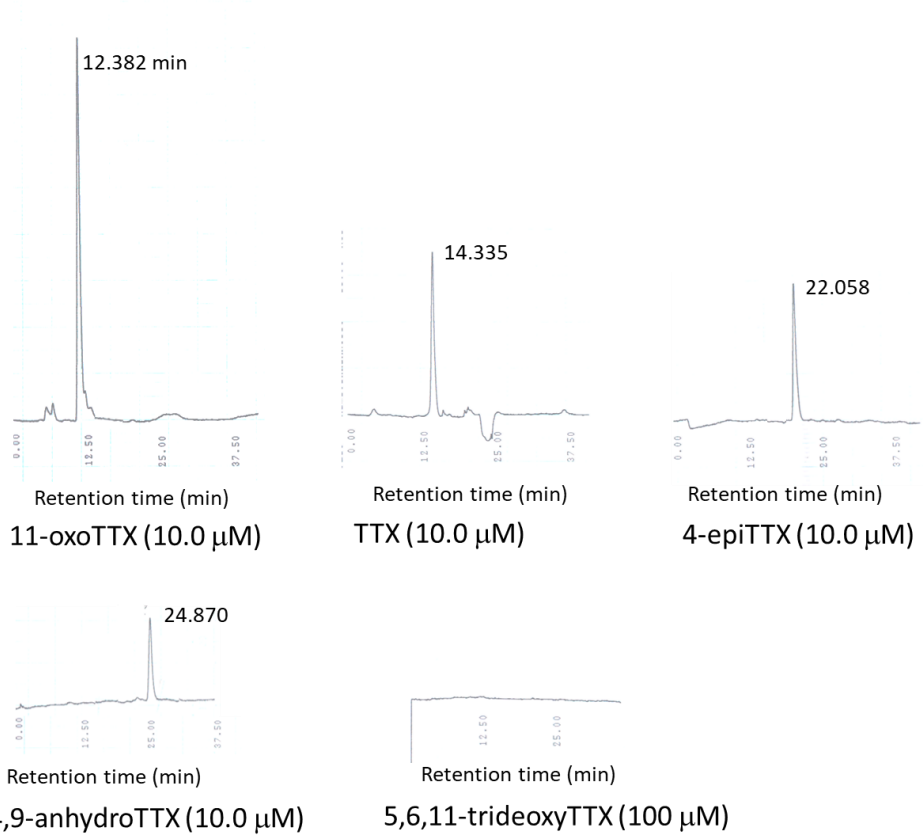

Figure S1. Fluorometric HPLC analysis of isolated TTX analogs. In Figure 5, these isolated toxins were analyzed on ELISA.

Table S1. Reaction of 4,9anhydro-TTX with DTT expressed as concentration of the remaining free toxins measured by HPLC-FLD in function of time.

Min	Conc.(μM)			
	4,9anhydro-TTX	TTX	6epi-TTX	4epi-TTX
0	1099	ND	ND	ND
15	162	ND	ND	ND
30	ND	ND	ND	ND

Reaction mixture was analyzed by the fluorometric HPLC [38]. ND means not detected.

Table S2. The reactivity of the antibody against KLH in ELISA.

	OD (*n* = 3)			**OD (*n* = 3)**	
TTX (nM)	mean	SE	KLH (ppm)	mean	SE
0	0.702	0.023	0	0.702	0.017
1	0.698	0.019	0.1	0.701	0.021
10	0.423	0.023	1	0.67	0.022
100	0.225	0.023	10	0.67	0.021
1000	0.151	0.023	100	0.607	0.019
Bound 0 %	0.124	0.021	Bound 0 %	0.124	0.017

TTX and KLH with several concentrations were separately analyzed on the same ELISA plate. Background OD (absence of biotin-TTX) is expressed as "Bound 0%.