

Agrisera

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Product no **AS11 1647**

STX | saxitoxin, Total IgG (0.5 mg)

Product information

Background	Saxitoxin (STX) is a neurotoxin that acts as a selective sodium channel blocker and is naturally produced by certain species of marine dinoflagellates (<i>Alexandrium</i> sp., <i>Gymnodinium</i> sp., <i>Pyrodinium</i> sp.) and cyanobacteria (<i>Anabaena</i> sp., some <i>Aphanizomenon</i> spp., <i>Cylindrospermopsis</i> sp., <i>Lyngbya</i> sp., <i>Planktothrix</i> sp.). Ingestion of STX (usually through shellfish contaminated by toxic algal blooms) is responsible for the human illness known as paralytic shellfish poisoning (PSP). Saxitoxin, one of the most potent natural toxins known, acts on the voltage-gated sodium channels of nerve cells, preventing normal cellular function and leading to paralysis.
Immunogen	<u>BSA</u> -conjugated saxitoxin (STX)
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG in PBS
Format	Lyophilized
Quantity	0.5 mg
Storage	Store at 4 °C following reconstitution.
Tested applications	ELISA (ELISA)
Related products	AS11 1690 Anti-STX saxitoxin, Total IgG (2.5 mg), rabbit antibodies
Additional information	Antibodies are provided as total IgG, purified on protein A. Purified antibodies were dialyzed against dionized water.

Application information

Recommended dilution	The optimal working dilution should be determined by the investigator.
Confirmed reactivity	Toxin from marine dinoflagellates, cyanobacteria and mussels.
Not reactive in	No confirmed exceptions from predicted reactivity are currently known.
Additional information	The term saxitoxin can also refer to the entire suite of related neurotoxins produced by these microorganisms, which include pure STX, neosaxitoxin (neoSTX), the gonyautoxins (GTX) and decarbamoylsaxitoxin (dcSTX). For high resolution images, please visit the specific product page at www.agrisera.com

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