

Agrisera

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Product no **AS11 1690**

STX | saxitoxin, Total IgG (2.5 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 (*Alexandrium* sp., *Gymnodinium* sp., *Pyrodinium* sp.) and cyanobacteria (*Anabaena* sp., some *Aphanizomenon* spp., *Cylindrospermopsis* sp., *Lyngbya* sp., *Planktothrix* 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 | BSA-conjugated saxitoxin

Host | Rabbit

Clonality | Polyclonal

Purity | total IgG

Format | Lyophilized

Quantity | 2.5 mg

Reconstitution | For reconstitution add 1.1 ml of sterile water.

Storage | Store at 4 °C following reconstitution.

Tested applications | ELISA (ELISA)

Related products | [AS11 164Z](#) | Anti-STX | saxitoxin, Total IgG (0.5 mg), rabbit antibodies

Additional information | Antibodies are provided as total IgG purified on protein A. Purified antibodies were dialyzed against deionized 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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