

RTA | Ricin toxic A chain

Cat PA01501

Size 50 µl

Host

Rabbit

Clonality

Polyclonal

Confirmed reactivity

Ricinus communis

Immunogen

Ricin A chain isolated from Ricinus communis var. Impala

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Rabbit

Clonality

Polyclonal

Purity

Serum

Format

Lyophilized

Reconstitution

For reconstitution add 50 µl of sterile water

Storage

Lyophilized antibody can be stored at -20°C for up to 3 years. Re-constituted antibody can be stored at 4°C for several days to weeks. Once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application

ELISA (ELISA)

Recommended dilution

1: 10 000 (ELISA)

Confirmed reactivity

Ricinus communis

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Additional information

Antibody is recognizing active toxin complex containing both, ricin A and B subunits

Description

Ricin is a naturally occurring protein found in castor beans (*Ricinus communis*) that acts as an inhibitor of protein synthesis. It's a toxin involved in plant defense. A single ricin chain can inactivate thousands of ribosomes per minute. Chain B facilitates the entry of chain A into the cell. In order to produce an active toxin, both A and B

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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protein chains must be present. Ricin A chain is an n-glycosylated heterodimer of about 60 to 65 kDa.

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