

## Polyclonal Antibody to Ricin Toxin (A chain)

<b>Catalog No.:</b>	SP2186P
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	3.16 mg/ml
<b>Host:</b>	Goat
<b>Immunogen:</b>	Full length native Ricin Toxin A chain (purified) from Ricinus communis (Castor bean)

Format: This antibody is supplied as liquid Ig fraction in Phosphate buffered saline containing 0.02% sodium azide as preservative.

**Applications:** ELISA. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.  
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**Specificity:** This antibody is specific for the A chain of Ricin Toxin from Ricinus communis (Castor bean).  
Ricin chain A (RTA) is a ribosome inactivating enzyme with a molecular weight of 32 kDa. RTA is normally linked by a disulfide bond to the galactose/N acetylgalactosamine binding lectin (34 kDa), also called the B chain or RTB. Together with RTB, RTA constitutes the heterodimeric cytotoxin Ricin (RCA 60) from Ricinus communis. This ricin, which is a type 2 RIP (ribosome inactivating protein) is among the most potent cytotoxins in nature. Ricin is highly toxic to animal cells and to a lesser extent to plant cells.

**Storage:** Store at 4°C for up to two weeks or aliquot and store at -20°C for longer. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf life: on