
Ricin A chain Rabbit pAb

Catalog Number: bs-7140R

Target Protein: Ricin A chain

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100-500), ELISA (1:5000-10000)

Reactivity: (predicted:Ricinus communis)

Predicted MW: 30 kDa

Source: KLH conjugated synthetic peptide derived from Ricin A chain: 201-300/576.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.7] Jianing Chen. et al. A Clickase-Mediated Immunoassay Based on Nanopore and Bionic Signal Labels for Ultrasensitive, Portable, and On-Site Detection of Ricin. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX ; . 39441662

[IF=5.6] Jianing Chen. et al. Nanopore-assisted ELISA platform for ultrasensitive, portable, and on-site detection of ricin. TALANTA. 2024 Oct;;127136 ; . 39532053