

bs-7140R

[Primary Antibody]

Ricin A chain Rabbit pAb



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DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Target: Ricin A chain

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

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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.

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

SELECTED CITATIONS

- **[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