

Active Native Ricinus Communis Agglutinin II Protein

Cat. No. Lectin-1834R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Unconjugated Ricinus Communis Agglutinin II (RCA II, RCA60, ricin) and has sugar specificity against Galactose, N-Acetylgalactosamine, and Lactose.
Species	Ricinus Communis
Source	Ricinus Communis
Description	Ricinus communis agglutinin II is an extremely toxic glycoprotein consisting of two disulfide-linked chains of about 28 kDa and 32 kDa, termed A and B chain, respectively. The B chain can bind to cell surfaces via galactose or N-acetylgalactosamine residues of membrane glycoconjugates and facilitates the transport of the lectin into the cell. The A chain has an enzyme activity which can catalytically block protein synthesis and is so toxic that only a single molecule of A chain is required to kill a cell. Alone, the A chain is incapable of entering the cell and is thus not toxic.
Form	10 mM phosphate, 0.15 M NaCl, pH 7.8, 0.08% sodium azide
Bio-activity	Inhibiting/Eluting Sugar: 200 mM galactose or lactose
Molecular Mass	60 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology

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Usage

THIS IS A TOXIC LECTIN! EXERCISE CAUTION IN ITS USE! NEVER PIPET SOLUTIONS OF THIS LECTIN BY MOUTH. DO NOT LYOPHILIZE!

Storage

Store at 4 centigrade

Concentration

5.0 mg/ml

GENE INFORMATION**Synonyms**

Lectin; RCA II, RCA 60, ricin

UniProt ID

[P02879](#)

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