

## Active Native Ricinus Communis Agglutinin II Protein

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

### SPECIFICATION

<b>Product Overview</b>	This product is the Unconjugated Ricinus Communis Agglutinin II (RCA II, RCA60, ricin) and has sugar specificity against Galactose, N-Acetylgalactosamine, and Lactose.
<b>Species</b>	Ricinus Communis
<b>Source</b>	Ricinus Communis
<b>Description</b>	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.
<b>Form</b>	10 mM phosphate, 0.15 M NaCl, pH 7.8, 0.08% sodium azide
<b>Bio-activity</b>	Inhibiting/Eluting Sugar: 200 mM galactose or lactose
<b>Molecular Mass</b>	60 kDa
<b>Applications</b>	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology

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<b>Usage</b>	THIS IS A TOXIC LECTIN! EXERCISE CAUTION IN ITS USE! NEVER PIPET SOLUTIONS OF THIS LECTIN BY MOUTH. DO NOT LYOPHILIZE!
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<b>Storage</b>	Store at 4 centigrade
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<b>Concentration</b>	5.0 mg/ml
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## GENE INFORMATION

<b>Synonyms</b>	Lectin; RCA II, RCA 60, ricin
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<b>UniProt ID</b>	<a href="#">P02879</a>
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