

Active Native Ricinus Communis Agglutinin I Protein, Agarose bound

Cat. No. Lectin-1830R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Agarose bound Ricinus Communis Agglutinin I and has sugar specificity against galactose and lactose.
Species	Ricinus Communis
Source	Ricinus Communis
Description	This lectin consists of two subunits of 60 kDa which can be dissociated by reducing agents into closely related chains between 27 kDa and 33 kDa. One of the chains appears to be common to the “B” chain of another castor bean lectin, ricin, while the other chain is unique to RCA I. The B chain binds to galactose or N-acetylgalactosamine residues of membrane glycoconjugates.
Form	10 mM HEPES, pH 7.5, 0.15 M NaCl, 20 mM lactose, 0.08% sodium azide
Bio-activity	Inhibiting/Eluting Sugar: 200 mM galactose or lactose Carbohydrate-Binding Specificity: Galactose, Lactose.
Molecular Mass	120 kDa
Applications	Glycobiology, Affinity Chromatography
Usage	1, Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin.

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2, EXERCISE CAUTION IN ITS USE! It has been found to have moderate toxicity in some animal models, but its toxicity to humans has not been fully determined, and a related protein, RCA 60, is highly toxic to humans. Never pipet solutions of this lectin by mouth. DO NOT LYOPHILIZE!

3, Suggested conditions for eluting glycoconjugates: 200 mM galactose or lactose.

Storage	Refrigerate. DO NOT FREEZE.
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Concentration	4.0 mg/ml of settled gel
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GENE INFORMATION

Synonyms	Lectin; RCA I; RCA 120
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UniProt ID	P02879
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