

Active Native Ricinus Communis Agglutinin I Protein, Fluorescein labeled

Cat. No. Lectin-1832R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Fluorescein labeled Ricinus Communis Agglutinin I and has sugar specificity against galactose and lactose. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.
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, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca ²⁺
Bio-activity	Inhibiting/Eluting Sugar: 200 mM galactose or lactose Carbohydrate-Binding Specificity: Galactose, Lactose.
Molecular Mass	120 kDa
Applications	Immunofluorescence, Glycobiology
Usage	1, EXERCISE CAUTION IN ITS USE! It has been found to have moderate toxicity in

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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!

2, The recommended concentration range for use is 5-20 μ g/ml.

Storage

Refrigerate in the dark. If a precipitate occurs during storage, warm solutions to 37 centigrade before removing aliquots

Concentration

5.0 mg/ml

GENE INFORMATION**Synonyms**

Lectin; RCA I; RCA 120

UniProt ID

[P02879](#)

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