

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 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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