

# Active Native Ricinus Communis Agglutinin I Protein, Rhodamine labeled

**Cat. No.** Lectin-1731R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | This product is the Ricinus Communis Agglutinin I and has sugar specificity against galactose and lactose. The excitation maximum is at 550 nm and the emission maximum is at 575 nm.                                                                                                                                                                                                   |
| <b>Species</b>          | Ricinus Communis                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Ricinus Communis                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca <sup>2+</sup>                                                                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | Carbohydrate-Binding Specificity: Galactose, Lactose.                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 120 kDa                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Immunofluorescence, Glycobiology                                                                                                                                                                                                                                                                                                                                                        |
| <b>Usage</b>            | The recommended concentration range for use is 5-20 $\mu$ g/ml. It has been found to have moderate toxicity in some animal models, but its toxicity to humans has not                                                                                                                                                                                                                   |

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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!

**Storage**

Refrigerate in the dark. A precipitate may form during storage. This does not have a significant adverse effect on the product. If a precipitate forms upon long-term storage at 4 centigrade, warm to 37 centigrade. and centrifuge before use.

**Concentration**

5 mg/ml

**GENE INFORMATION****Synonyms**

Lectin; RCA I; RCA120

**UniProt ID**

[P02879](#)

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