



# Ricinus Communis Agglutinin I (RCA I, RCA120), Agarose bound

## AL-1083

[Product Images](#)



## Short Description

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Agarose bound *Ricinus communis* agglutinin I is prepared using our affinity-purified lectins. 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.

### Features:

- Bead diameter ranges in size from 45-165 microns
- Matrix is stable in solutions at pH 3-11 as well as many organic solvents
- Immobilized lectins are prepared using affinity purified lectins
- Covalent attachment preserves lectin activity and minimizes conformational changes that might result in nonspecific or hydrophobic interactions
- Conjugated proteins are not leached off the beads by Tris or other routinely used buffers
- No residual charges present after conjugation. This minimizes non-specific binding to the matrix
- Product supplied as a 1:1 suspension in buffer
- Inhibiting/Eluting Sugar: 200 mM galactose or lactose or Glycoprotein Eluting Solution (ES-2100)

## Additional Information

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Unit Size	2 ml, 10 ml
Applications	Glycobiology, Affinity Chromatography
Recommended Storage	2-8 °C DO NOT FREEZE
Solution	10 mM HEPES, pH 7.5, 0.15 M NaCl, 20 mM lactose, 0.08% sodium azide
Recommended Usage	Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin. Recommended product for eluting glycoconjugates bound to this agarose-lectin: Glycoprotein Eluting Solution, Cat. No. ES-2100. Alternatively, 200 mM galactose or lactose can be used. After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.
Matrix Conjugate	Lectins
Sugar Specificity	Galactose, Lactose
Conjugate	Agarose

### **Ricinus Communis Agglutinin I (RCA I, RCA120), Agarose bound**

#### **Features:**

- Matrix is heat stable, cross-linked 4% agarose beads with a molecular exclusion of about  $2 \times 10^7$  daltons
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- Hydrophilic spacer arm is inserted between the lectin and the matrix
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- Product supplied as a 1:1 suspension in buffer
- 4 mg lectin/ml gel
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