



## RCA120, BIOTINYLATED

**SKU:** B-1085-1



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## 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.

Biotinylated RCA I has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

## SPECIFICATIONS

|                               |      |
|-------------------------------|------|
| <b>Molecular Weight</b>       | 120  |
| <b>Extinction Coefficient</b> | 1.17 |

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|                                    |                                                                                                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Formulation</b>                 | 10 mM sodium phosphate, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 5 mM lactose                             |
| <b>Inhibiting or Eluting Sugar</b> | Lactose                                                                                                   |
| <b>Unit Size</b>                   | 1 mg                                                                                                      |
| <b>Storage Instructions</b>        | 2-8 °C; DO NOT FREEZE                                                                                     |
| <b>Sugar Specificity</b>           | Terminal type 2 LacNAc                                                                                    |
| <b>Usage Summary</b>               | For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer. |
| <b>Applications</b>                | Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs    |
| <b>Concentration</b>               | 5 mg active conjugate/ml                                                                                  |
| <b>Conjugate</b>                   | Biotinylated                                                                                              |

## TECHNICAL INFORMATION

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Inhibiting/Eluting Sugar: 200 mM galactose or lactose

## CITATIONS



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## DOCUMENTS

- [Safety Data Sheet](#)
- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Download CoA](#)
- [Datasheet](#)

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## GALLERY IMAGES



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