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RCA120, RHODAMINE

SKU: RL-1082-1



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.

Rhodamine labeled *Ricinus communis* agglutinin I has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 550 nm and the emission maximum is at 575 nm.

SPECIFICATIONS

Molecular Weight	120
Color of Fluorescence	Red

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Extinction Coefficient	1.17
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 5 mM lactose
Inhibiting or Eluting Sugar	Lactose
Maximum Emission	570-580 nm
Maximum Excitation	545-555 nm
Unit Size	1 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal type 2 LacNAc
Usage Summary	For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the below buffer.
Applications	Immunofluorescence, Glycobiology
Concentration	5 mg active conjugate/ml
Conjugate	Rhodamine

TECHNICAL INFORMATION

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.

Inhibiting/Eluting Sugar: 200 mM galactose or lactose

CITATIONS

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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

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