

RICINUS COMMUNIS AGGLUTININ I (RCA I, RCA120), FLUORESCEIN

SKU: FL-1081-1



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.

Fluorescein 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 495 nm and the emission maximum is at 515 nm.

Specifications

Unit Size	1 mg
Applications	Immunofluorescence, Glycobiology
Recommended Usage	The recommended concentration range for use is 5-20 µg/ml.
Recommended Storage	2-8 °C
Maximum Excitation	495-500 nm

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Inhibiting and/or Eluting Sugar	200 mM galactose (S-9003) or lactose (S-9004)
Maximum Emission	514-521 nm
Solution	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl ₂ , 5 mM lactose
Concentration	5 mg active conjugate/ml
Conjugate	Fluorescein
Color of Fluorescence	Green
Sugar Specificity	Galactose, Lactose

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.

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