



Ricinus Communis Agglutinin I (RCA I, RCA120), Rhodamine

RL-1082-5

[Product Images](#)



Short 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.

Additional Information

Unit Size	5 mg
Applications	Immunofluorescence, Glycobiology
Recommended Usage	For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the above buffer.
Recommended Storage	2-8 °C
Maximum Excitation	545-555 nm
Inhibiting and/or Eluting Sugar	200 mM galactose (S-9003) or lactose (S-9004)
Maximum Emission	570-580 nm
Solution	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 5 mM lactose
Concentration	5 mg active conjugate/ml
Conjugate	Rhodamine
Color of Fluorescence	Red
Sugar Specificity	Galactose, Lactose

