



Jacalin, Fluorescein

FL-1151-5

Product Images



Short Description

Jacalin appears to bind only *O*-glycosidically linked oligosaccharides, preferring the structure galactosyl (β -1,3) *N*-acetylgalactosamine. This structure (the T-antigen) is the oligosaccharide to which peanut agglutinin (PNA) binds. However, unlike PNA, Jacalin will bind a mono- or disialylated form of this structure. This lectin has been used to purify human IgA. The specificity of this lectin also affords the opportunity to localize or isolate glycoproteins with *O*-glycosidically linked oligosaccharide side chains.

Fluorescein labeled Jacalin 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.

Additional Information

Unit Size	5 mg
Applications	Immunofluorescence, Glycobiology
Recommended Usage	The recommended concentration range for use is 5-20 μ g/ml.
Recommended Storage	2-8°C
Maximum Excitation	495-500 nm
Inhibiting and/or Eluting Sugar	800 mM galactose (S-9003) or 100 mM melibiose
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 , 10 mM lactose, 10 mM Beta-Cyclodextrin
Concentration	5 mg active conjugate/ml
Conjugate	Fluorescein
Color of Fluorescence	Green
Sugar Specificity	Galactose

