



# JACALIN, FLUORESCIN

**SKU:** FL-1151-5



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## DESCRIPTION

Jacalin appears to bind only *O*-glycosidically linked oligosaccharides, preferring the structure galactosyl ( $\beta$ -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.

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## SPECIFICATIONS

<b>Molecular Weight</b>	66
<b>Color of Fluorescence</b>	Green
<b>Extinction Coefficient</b>	1.5
<b>Formulation</b>	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl <sub>2</sub> , 10 mM lactose, 10 mM Beta-Cyclodextrin
<b>Inhibiting or Eluting Sugar</b>	Galactose
<b>Maximum Emission</b>	514-521 nm
<b>Maximum Excitation</b>	495-500 nm
<b>Unit Size</b>	5 mg
<b>Storage Instructions</b>	2-8°C
<b>Sugar Specificity</b>	Core 1 and core 3 O-glycans
<b>Usage Summary</b>	The recommended concentration range for use is 5-20 µg/ml.
<b>Applications</b>	Immunofluorescence, Glycobiology
<b>Concentration</b>	5 mg active conjugate/ml
<b>Conjugate</b>	Fluorescein

## TECHNICAL INFORMATION

Jacalin is a lectin composed of four subunits of approximately 16 kDa each.

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: 800 mM galactose or 100 mM melibiose

## CITATIONS



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## DOCUMENTS

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

## GALLERY IMAGES



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