

Active Native Artocarpus integrifolia Jacalin Protein, Fluorescein labeled

Cat. No. Lectin-1794A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Fluorescein labeled Artocarpus integrifolia Jacalin and has sugar specificity against Galactose. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.
Species	Artocarpus integrifolia
Source	Artocarpus integrifolia
Description	Jacalin is a lectin composed of four subunits of approximately 16 kDa each. This lectin 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.
Form	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca ²⁺
Bio-activity	Inhibiting/Eluting Sugar: 800 mM galactose (S-9003) or 100 mM melibiose.
Molecular Mass	66 kDa
Applications	Immunofluorescence, Glycobiology

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Usage	The recommended concentration range for use is 5-20 g/ml.
Storage	Refrigerate in the dark. If a precipitate forms upon long-term storage at 4 centigrade, warm to 37 centigrade. and centrifuge before use.
Concentration	5 mg/ml active conjugate

GENE INFORMATION

Synonyms	Lectin; Jacalin
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