

Active Native Artocarpus integrifolia Jacalin Protein

Cat. No. Lectin-1795A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Unconjugated Artocarpus integrifolia Jacalin and has sugar specificity against Galactose.
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.
Bio-activity	Inhibiting/Eluting Sugar: 800 mM galactose or 100 mM melibiose
Molecular Mass	66 kDa
Applications	Glycobiology, Mitogenic Stimulation
Usage	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca ²⁺ is recommended. For preserving solutions, stored at 4 centigrade, 0.08% sodium azide can be used.

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Storage

Refrigerate

GENE INFORMATION**Synonyms**

Lectin; Jacalin

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