

Native Jacalin *Artocarpus integrifolia* Lectin (AIA), TRITC-Conjugated

Cat. No. AIA-483J **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Jacalin <i>Artocarpus integrifolia</i> Lectin (AIA) - TRITC (Rhodamine)
	Blood Group Specificity: Non-specific
	Preferred Sugar Specificity: Gal β 3GalNAc
	Inhibiting or Eluting Sugar: Galactose or Melibiose
	Divalent Ions: None Required
	Excitation: 545-555 nm
	Emission: 570-580 nm
	Mitogenic Activity: Yes
	Hazardous Shipping: Non-hazardous
	Fluorescence: Orange

Species	Jacalin
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Source	Jacalin
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Description	Jacalin lectin (AIA) is purified by affinity chromatography and is tetrameric two-chain structure consisting of four identical protomers with an isoelectric point of pH 7.8. The lectin has specificity for blood group types O (+SA) and T. Jacalin is considered a galactose-specific lectin and elutes with galactose or melibiose. <i>Artocarpus integrifolia</i> (Jacalin) Lectin (AIA) is labeled with tetramethylrhodamine isothiocyanate (TRITC) and has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. TRITC is a bright orange or red-fluorescent dye with excitation ideally suited to the 532-nm laser line. TRITC labeled AIA can be used
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for cellular imaging applications.

Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	AIA
Synonyms	Artocarpus integrifolia Lectin; AIA

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