Native Jacalin Artocarpus integrifolia Lectin (AIA), Texas Red-Conjugated

Cat. No. AIA-532J **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Jacalin Artocarpus integrifolia Lectin (AIA) - Texas Red Blood Group Specificity: Non-specific Preferred Sugar Specificity: Galβ3GalNAc Inhibiting or Eluting Sugar: Galactose or Melibiose Divalent Ions: None Required Excitation: 595 nm Emission: 615 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Red
Species	Jacalin
Source	Jacalin
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. Texas Red is a red-fluorescent dye and when bound to Artocarpus integrifolia (Jacalin) Lectin (AIA) can show the binding pattern of this lectin in cellular imaging applications. There is very little overlap between the emission spectra of Texas Red and FITC making this combination ideal for dual-labeling experiments. Rhodamine dyes, such as Texas

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	Red, are more photostable and less sensitive to pH change when compared to other dyes such as fluorescein.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At 2-8 centigrade.
Concentration	5 mg/mL

GENE INFORMATION

Official Symbol	AIA
Synonyms	Artocarpus integrifolia Lectin; AIA

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