www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

JACALIN, FLUORESCEIN

SKU: FL-1151-5



DESCRIPTION

Jacalin 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.

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.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

SPECIFICATIONS

Molecular Weight	66
Color of Fluorescence	Green
Extinction Coefficient	1.5
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2, 10 mM lactose, 10 mM Beta-Cyclodextrin
Inhibiting or Eluting Sugar	Galactose
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	5 mg
Storage Instructions	2-8°C
Sugar Specificity	Core 1 and core 3 O-glycans
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	5 mg active conjugate/ml
Conjugate	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

Powered by Bioz © 2023 See more details on Bioz

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



For research use only. Not intended for therapeutic or diagnostic use in animals or humans.