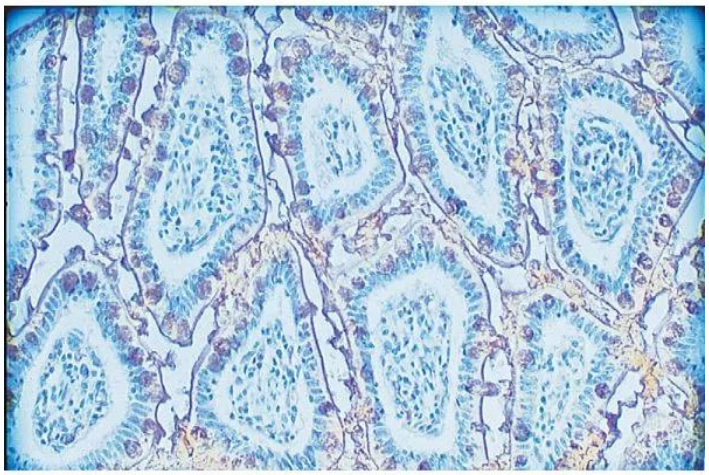
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JACALIN, BIOTINYLATED

SKU: B-1155-5



DESCRIPTION

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.

Biotinylated Jacalin has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

SPECIFICATIONS

Molecular Weight	66

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

Extinction Coefficient	1.5
Inhibiting or Eluting Sugar	Galactose
Unit Size	5 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	Core 1 and core 3 O-glycans
Usage Summary	Reconstitute by adding 1 ml of water.Do not vortex.The resulting solution will have the following composition:10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2, 10 mM galactose, 10 mM lactose. For most applications we recommend a freshly prepared working solution of 5-20 µg/ml in the above buffer.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Conjugate	Biotinylated

TECHNICAL INFORMATION

Jacalin is a lectin composed of four subunits of approximately 16 kDa each.

This biotinylated lectin is an ideal intermediate for examining glycoconjugates using the Biotin-Avidin/Streptavidin System. First the biotinylated lectin is added, followed by the VECTASTAIN ABC Reagent, Avidin D conjugate, or streptavidin derivative.

Inhibiting/Eluting Sugar: 800 mM galactose or 100 mM melibiose

CITATIONS

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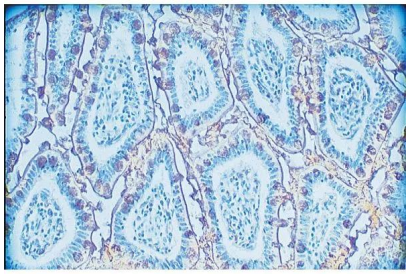
DOCUMENTS

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

GALLERY IMAGES





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