



LOTUS TETRAGONOLOBUS LECTIN (LTL), BIOTINYLATED

SKU: B-1325-2



DESCRIPTION

Lotus tetragonolobus lectin is a family of closely related glycoproteins that appear to have similar specificities toward α -linked L-fucose containing oligosaccharides. Although many of the binding properties of Lotus lectin are similar to those of *Ulex europaeus* lectin I, the binding affinities and some specificities for oligosaccharides are significantly different between these fucose-specific lectins.

Biotinylated *Lotus tetragonolobus* 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	107
Extinction Coefficient	1.51

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Inhibiting or Eluting Sugar	L-Fucose
Unit Size	2 mg
Storage Instructions	2-8 °C; Store frozen for long term storage
Sugar Specificity	α 1,3-linked fucose
Usage Summary	Reconstitute by adding 1ml water. The resulting solution will have the following composition: 10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.08% sodium azide, 0.1 mM CaCl ₂ . 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

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: 50 mM – 100 mM L-fucose

CITATIONS



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DOCUMENTS

- [Safety Data Sheet](#)
- [Lectins in Histochemistry, ELISA, and Western Blot Applications](#)
- [Download CoA](#)
- [Datasheet](#)

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GALLERY IMAGES



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