



# LOTUS TETRAGONOLOBUS LECTIN (LTL), BIOTINYLATED

**SKU:** B-1325-2



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## DESCRIPTION

*Lotus tetragonolobus* lectin is a family of closely related glycoproteins that appear to have similar specificities toward  $\alpha$ -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

<b>Molecular Weight</b>	107
<b>Extinction Coefficient</b>	1.51

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



<b>Inhibiting or Eluting Sugar</b>	L-Fucose
<b>Unit Size</b>	2 mg
<b>Storage Instructions</b>	2-8 °C; Store frozen for long term storage
<b>Sugar Specificity</b>	$\alpha$ 1,3-linked fucose
<b>Usage Summary</b>	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 <sub>2</sub> . For most applications, we recommend a freshly prepared working solution of 5-20 $\mu$ g/ml in the above buffer.
<b>Applications</b>	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
<b>Conjugate</b>	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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[Lotus Tetragonolobus Lectin \(LTL\), Biotinylated](https://vectorlabs.com/products/biotinylated-lotus-tetragonolobus-lectin-ltl/)

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