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LOTUS TETRAGONOLOBUS LECTIN (LTL), FLUORESCEIN

SKU: FL-1321-2



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.

Fluorescein labeled *Lotus tetragonolobus* lectin 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.

- Excitation maximum: 495 nm
- Emission maximum: 515 nm

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SPECIFICATIONS

Molecular Weight	107
Color of Fluorescence	Green
Extinction Coefficient	1.51
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2
Inhibiting or Eluting Sugar	L-Fucose
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 mg
Storage Instructions	2-8°C
Sugar Specificity	α1,3-linked fucose
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Fluorescein

TECHNICAL INFORMATION

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: 50 mM – 100 mM L-fucose

CITATIONS

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DOCUMENTS

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

GALLERY IMAGES



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