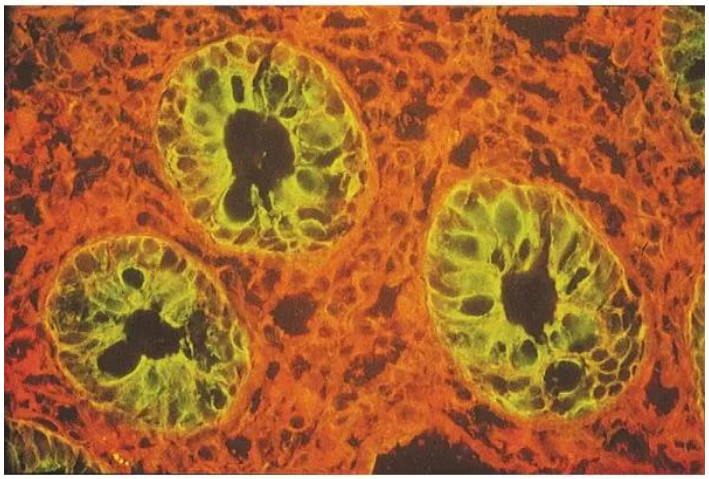
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LYCOPERSICON ESCULENTUM (TOMATO) LECTIN (LEL, TL), FLUORESCEIN

SKU: FL-1171-1



DESCRIPTION

Tomato lectin (from *Lycopersicon esculentum*) is an effective marker of blood vessels and microglial cells in rodents. Conjugation of the lectin with fluorescein facilitates fast, one-step detection and visualization using intravascular perfusion methods or direct application to tissue sections.

SPECIFICATIONS

Molecular Weight	71
Color of Fluorescence	Green
Extinction Coefficient	0.76
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2, 5mg/ml β cyclodextrin

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

Inhibiting or Eluting Sugar	Chitin Hydrolysate
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	1 mg
Storage Instructions	2-8°C
Sugar Specificity	Chitin oligomers, type 2 polyLacNAc, and Type 2 LacdiNAc
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

Tomato lectin is a very stable single subunit glycoprotein containing about 50 percent arabinose and galactose and may form multimeric aggregates in solution. Tomato lectin, although sharing some specificities with potato lectin, Datura lectin, and wheat germ agglutinin, has been reported to be dissimilar in many respects. LEL binds well to glycophorin and Tamm-Horsfall glycoprotein and has been used effectively to label vascular endothelium in rodents.

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.

Fluorescein labeled Tomato 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
- Color: Green

Inhibiting/Eluting Sugar: Chitin Hydrolysate

CITATIONS

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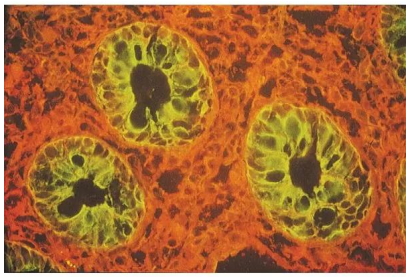
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DOCUMENTS

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

GALLERY IMAGES





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