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

SKU: L-1170-2

DESCRIPTION

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

SPECIFICATIONS

Molecular Weight	71
Extinction Coefficient	0.76
Inhibiting or Eluting Sugar	Chitin Hydrolysate
Unit Size	2 mg

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

Storage Instructions	2-8 °C; for long term storage, aliquots may be stored frozen or preserved with 0.08% sodium azide in the recommended buffer and stored at 2-8 °C
Sugar Specificity	Chitin oligomers, type 2 polyLacNAc, and Type 2 LacdiNAc
Usage Summary	Although many buffers can be employed for reconstituting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2is recommended.
Applications	Glycobiology
Conjugate	Unconjugated

TECHNICAL INFORMATION

Tomato lectin (from *Lycopersicon esculentum*) 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.

Inhibiting/Eluting Sugar: Chitin Hydrolysate

CITATIONS

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DOCUMENTS

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

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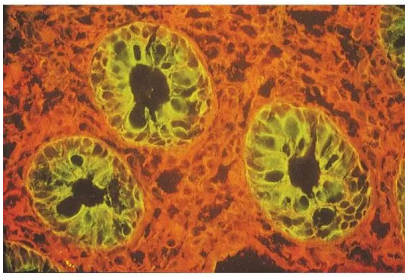
GALLERY IMAGES



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