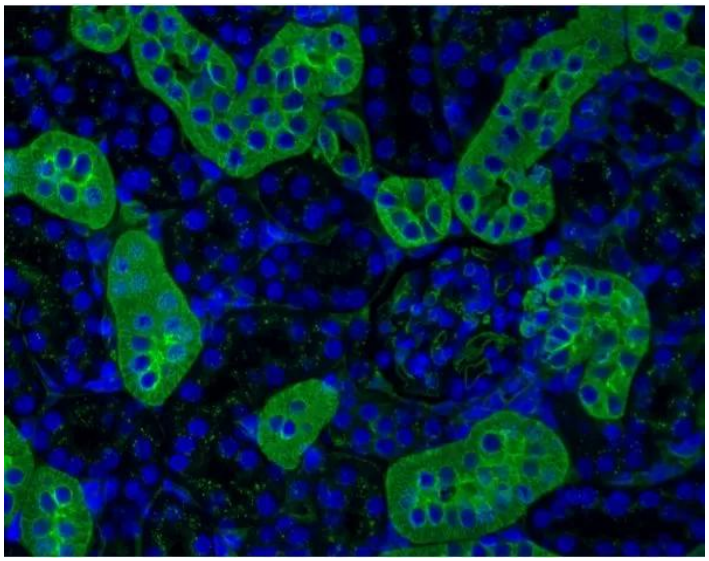
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Telephone: (650) 697-3600

LYCOPERSICON ESCULENTUM (TOMATO) LECTIN (LEL, TL), DYLIGHT 488

SKU: DL-1174-1



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.

DyLight™ 488 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. The excitation maximum is at 493 nm and the emission maximum is at 518 nm.

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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.
Inhibiting or Eluting Sugar	Chitin Hydrolysate
Maximum Emission	518 nm
Maximum Excitation	493 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. If a precipitate forms upon long-term storage, warm to 37 ºC.
Applications	Immunofluorescence, Glycobiology
Concentration	1 mg active conjugate/ml
Conjugate	DyLight 488

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.

Inhibiting/Eluting Sugar: Chitin Hydrolysate

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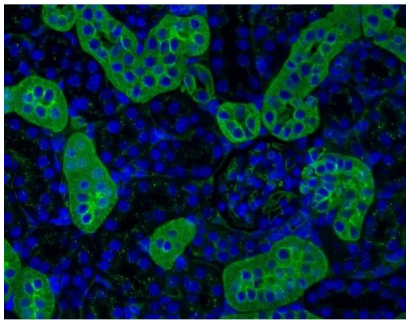
CITATIONS

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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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