

# Active Native Lycopersicon Esculentum Lectin Protein, Texas Red conjugated

Cat. No. Lectin-1728L Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	This product is the Tomato lectin from Lycopersicon esculentum and has sugar specificity against [GlcNAc]1-3, N-Acetylglucosamine. The excitation maximum is at 595 nm and the emission maximum is at 615 nm.
<b>Species</b>	Lycopersicon Esculentum
<b>Source</b>	Lycopersicon Esculentum
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Form</b>	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca <sup>2+</sup> .
<b>Bio-activity</b>	Inhibiting/Eluting Sugar: Chitin Hydrolysate. Carbohydrate-Binding Specificity: [GlcNAc]1-3, N-Acetylglucosamine.

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**Molecular Mass** 71 kDa

**Applications** Immunofluorescence, Glycobiology

**Storage** Refrigerate in the dark. If a precipitate forms upon long-term storage, warm to 37 centigrade.

**Concentration** 1 mg/ml

## GENE INFORMATION

**Synonyms** Lectin; LEL; TL; Tomato Lectin

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