

Active Native Lycopersicon Esculentum Lectin Protein, DyLight 649 labeled

Cat. No. Lectin-1804L **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | This product is the DyLight 649 labeled Tomato lectin from Lycopersicon esculentum and has sugar specificity against [GlcNAc]1-3, N-Acetylglucosamine. The excitation maximum is at 655 nm and the emission maximum is at 670 nm (far red). |
| Species | Lycopersicon Esculentum |
| Source | Lycopersicon Esculentum |
| Description | 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 glyophorin and Tamm-Horsfall glycoprotein and has been used effectively to label vascular endothelium in rodents. |
| Form | 10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM Ca ²⁺ . |
| Bio-activity | Inhibiting/Eluting Sugar: Chitin Hydrolysate |
| Molecular Mass | 71 kDa |
| Applications | Immunofluorescence, Glycobiology |
| Usage | The recommended concentration range for use is 5-20 g/ml. |

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| Storage | Refrigerate in the dark. If a precipitate forms upon long-term storage, warm to 37 centigrade. |
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| Concentration | 1 mg/ml |
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GENE INFORMATION

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| Synonyms | Lectin; LEL; TL; Tomato Lectin |
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| UniProt ID | G9M5T0 |
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