Native Tomato Lycopersicon esculentum Lectin (LEL/LEA), Biotinylated-Conjugated

Cat. No. LEL/LEA-070T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Tomato Lycopersicon esculentum Lectin (LEL/LEA) - Biotinylated Blood Group Specificity: Non-specific Preferred Sugar Specificity: (N-Acetylglucosamine)2-4 Inhibiting or Eluting Sugar: Chitin Hydrolysate Divalent Ions: None Required Mitogenic Activity: No Hazardous Shipping: Non-hazardous
Species	Tomato
Source	Tomato
Description	Isolated from tomatoes, affinity-purified Lycopersicon esculentum lectin (LEL/LEA) has a carbohydrate specificity toward GlcNac. Composed of a single stable subunit, LEL is a useful marker of tracking vasculature in rodents and in neuroscience research. This lectin has an unusually high carbohydrate content of about 50 percent arabinose and galactose. LEL is non-specific agglutinates human erythrocytes A, B, O, or AB blood types. Protease-treated erythrocytes are slightly more sensitive to agglutination by this lectin. Biotin is a small molecule involved in a wide range of metabolic processes. This ligand forms a complex with Avidin and Streptavidin, resulting in the strongest non-covalent protein-ligand interaction known. Biotinylated Lycopersicon esculentum Lectin (LEL/LEA) has an appropriate amount of biotin bound to provide optimum detection characteristics when using an Avidin-HRP or

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	Streptavidin-HRP conjugate. Biotinylated lectins allow for more sensitive detection in ELISA and Western-blotting applications.
Form	Liquid
Molecular Mass	100 kDa
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	1 mg/mL

GENE INFORMATION

Official Symbol	LEL/LEA
Synonyms	Lycopersicon esculentum Lectin; LEL/LEA

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