

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

Cat. No. LEL/LEA-365T **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Tomato <i>Lycopersicon esculentum</i> Lectin (LEL/LEA) - HRP (Horseradish Peroxidase) 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 <i>Lycopersicon esculentum</i> 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. Horseradish peroxidase (HRP) is a 40 kDa protein that catalyzes the oxidation of substrates by hydrogen peroxide, resulting in a colored or fluorescent product or release of light as a byproduct of the reaction. It is most commonly used for blotting, immunoassays and immunohistochemistry methods.

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Lycopersicon esculentum Lectin (LEL/LEA) is conjugated to HRP at an appropriate ratio to provide optimal staining characteristics.

Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

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

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