Native Lentil Lens culinaris Lectin (LCA/LCH), HRP-Conjugated

Cat. No. LCA/LCH-363L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Lentil Lens culinaris Lectin (LCA/LCH) - HRP (Horseradish Peroxidase) Blood Group Specificity: Non-specific Preferred Sugar Specificity: α-Mannose, α-Glucose Inhibiting or Eluting Sugar: α-Methylmannoside + α-Methylglucoside Divalent Ions: Ca++, Mn++ Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous
Species	Lentil
Source	Lentil
Description	This lectin is useful in affinity chromatography columns for the separation of glycoconjugates. The two isomers LCA-A and LCA-B agglutinates human red blood cells, although not blood group specific. Activity of LCA is determined by haemagglutination with human blood and agglutinates a 2% suspension of human erythrocytes at a lectin concentration of 8 µg/ml. LCA requires calcium and manganese ions for binding. 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. Lens culinaris (Lentil) Lectin (LCA/LCH) is conjugated to HRP at an appropriate ratio to provide optimal staining characteristics.

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Form	Liquid
Molecular Mass	49 kDa
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	2 mg/mL

GENE INFORMATION

Official Symbol	LCA/LCH
Synonyms	Lens culinaris Lectin; LCA/LCH

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