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

Cat. No. LCA/LCH-269L **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Lentil Lens culinaris Lectin (LCA/LCH) - Ferritin 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 8µg/ml. LCA requires calcium and manganese ions for binding. Lens culinaris (Lentil) Lectin (LCA/LCH) is conjugated to ferritin, that has a molecular weight of 474,000 g/mol (all 24 subunits combined). Ferritin-conjugated lectins can be used to visualize localization of specific saccharide moieties and examine the distribution of plasma membrane glycoproteins. These conjugates can be viewed via electron microscopy.

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

GENE INFORMATION

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

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