

Native Lentil Lens culinaris Lectin (LCA)

Cat. No. LCA-635L Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Lentil Lens culinaris Lectin (LCA/LCH) - Pure 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 $\mu\text{g}/\text{ml}$. LCA requires calcium and manganese ions for binding.
Form	Lyophilized
Molecular Mass	46 kDa
Purity	Affinity purified

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Storage	At -20 centigrade.
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GENE INFORMATION

Official Symbol	LCA
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Synonyms	Lens culinaris Lectin; LCA; LCH
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