



Lens Culinaris Agglutinin (LCA), Unconjugated

L-1040

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Short Description

LCA recognizes sequences containing α -linked mannose residues but recognizes additional sugars as part of the receptor structure, giving it a narrower specificity than Con A. An α -linked fucose residue attached to the N-acetylchitobiose portion of the core oligosaccharide significantly enhances affinity. By exploiting this narrower specificity, glycoproteins and glycopeptides can be subfractionated with LCA after initial isolation with Con A.

Additional Information

Unit Size	10 mg, 25 mg
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology, Mitogenic Stimulation
Recommended Usage	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl ₂ is recommended. For preserving solutions stored at 4 °C, 0.08% sodium azide can be used.
Recommended Storage	2-8 °C
Inhibiting and/or Eluting Sugar	mixture of 200 mM α -methylmannoside/200 mM α -methylglucoside
Conjugate	Unconjugated
Sugar Specificity	Mannose, Glucose



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