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# Lens Culinaris Agglutinin (LCA), Biotinylated

## B-1045-5

[Product Images](#)

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## Short Description

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LCA recognizes sequences containing  $\alpha$ -linked mannose residues but recognizes additional sugars as part of the receptor structure, giving it a narrower specificity than Con A. An  $\alpha$ -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.

Biotinylated *Lens culinaris* agglutinin has an appropriate number of biotins bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated biotins and is preserved with sodium azide.

## Additional Information

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Unit Size	5 mg
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Recommended Usage	For most applications we recommend a freshly prepared working solution of 5-20 $\mu$ g/ml in the above buffer.
Recommended Storage	2-8 °C; Store frozen for long term storage
Solution	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.1 mM CaCl <sub>2</sub> , 0.01 mM MnCl <sub>2</sub> , 0.08% sodium azide, 10 mM methyl- $\alpha$ -D-mannopyranoside.
Concentration	5 mg active conjugate/ml
Conjugate	Biotinylated
Sugar Specificity	Mannose, Glucose

