Lens Culinaris Agglutinin (LCA), DyLight™ 649

DL-1048-1

Product Images

Short Description

Lens culinaris agglutinin (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 increased specificity, glycoproteins and glycopeptides can be subfractionated with LCA after initial isolation with Con A.

DyLight™ 649 labeled LCA has an appropriate number of bound fluorochromes, which provides the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes.

- Excitation maximum: 655 nm
- Emission maximum: 670 nm
- Color: Far red

Lens Culinaris Agglutinin (LCA), DyLight™ 649 is provided in a 1 mL aliquot at a concentration of 1 mg active conjugate/ml.

Additional Information

Unit Size	1 mg
Applications	Immunofluorescence, Glycobiology
Recommended Usage	The recommended concentration range for use is 5-20 µg/ml. If a precipitate forms upon long-term storage, warm to 37 ºC.
Recommended Storage	2-8 °C
Maximum Excitation	655 nm
Maximum Emission	670 nm
Solution	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM $CaCl_2$, 0.01 mM $MnCl_2$
Concentration	1 mg active conjugate/ml
Conjugate	DyLight 649
Color of Fluorescence	Far Red
Sugar Specificity	Mannose, Glucose