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GALANTHUS NIVALIS LECTIN (GNL), FLUORESCEIN

SKU: FL-1241-2



DESCRIPTION

Galanthus nivalis lectin, unlike most mannose-specific lectins, is not a metalloprotein and does not require Ca^{++} or Mn^{++} for binding.

Binding seems to be preferentially directed toward structures containing (α-1,3) mannose residues. Also in contrast to most mannose-binding lectins, GNL will not bind α-linked glucose. Reports indicate that this lectin binds rat and mouse IgM but not IgG. The only protein from human serum reported to bind to this lectin is α2-macroglobulin. GNL binds to many viral glycoproteins.

Fluorescein labeled *Galanthus nivalis* lectin has an appropriate number of fluorochromes bound to provide the optimum staining characteristics for this lectin. This conjugate is supplied essentially free of unconjugated fluorochromes. The excitation maximum is at 495 nm and the emission maximum is at 515 nm.

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SPECIFICATIONS

Molecular Weight	50
Color of Fluorescence	Green
Extinction Coefficient	1.9
Formulation	10 mM HEPES, 0.15 M NaCl, pH 7.5, 0.08% sodium azide, 0.1 mM CaCl2
Inhibiting or Eluting Sugar	a-methyl-mannoside
Maximum Emission	514-521 nm
Maximum Excitation	495-500 nm
Unit Size	2 mg
Storage Instructions	2-8°C
Sugar Specificity	Terminal Manα1−6 and terminal Manα1−3
Usage Summary	The recommended concentration range for use is 5-20 µg/ml.
Applications	Immunofluorescence, Glycobiology
Concentration	2 mg active conjugate/ml
Conjugate	Fluorescein

TECHNICAL INFORMATION

Accompanying each fluorescent lectin is an analysis data sheet summarizing the results of our quality control tests and providing pertinent information on the product. All of these reagents are supplied as solutions preserved with sodium azide.
Inhibiting/Eluting Sugar: 100 mM – 200 mM α-methylmannoside

CITATIONS

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DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications

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- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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