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GALANTHUS NIVALIS LECTIN (GNL), UNCONJUGATED

SKU: L-1240-5



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.

SPECIFICATIONS

Molecular Weight	50
Extinction Coefficient	1.9
Inhibiting or Eluting Sugar	a-methyl-mannoside
Unit Size	5 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal Manα1−6 and terminal Manα1−3

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Usage Summary	Although many buffers can be employed for reconstituting and diluting this lectin, 10 mM HEPES buffered saline, pH 8.5, 0.1 mM CaCl2is recommended. Lectin may be preserved with 0.04% sodium azide.
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Glycobiology
Conjugate	Unconjugated

TECHNICAL INFORMATION

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.

Inhibiting/Eluting Sugar: 100 mM – 200 mM α-methylmannoside

CITATIONS

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DOCUMENTS

- Lectins in Histochemistry, ELISA, and Western Blot Applications
- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES

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