



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 $(\alpha\text{-}1,3)$ mannose residues.

SPECIFICATIONS

Molecular Weight	50
Extinction Coefficient	1.9
Inhibiting or Eluting Sugar	α -methyl-mannoside
Unit Size	5 mg
Storage Instructions	2-8 °C
Sugar Specificity	Terminal $\text{Man}\alpha 1-6$ and terminal $\text{Man}\alpha 1-3$

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 CaCl₂ is 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 α 2-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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