

Active Native Galanthus Nivalis Lectin Protein, Agarose bound

Cat. No. Lectin-1776G Lot. No. (See product label)

SPECIFICATION

Product Overview	This product is the Agarose bound Galanthus Nivalis Lectin and has sugar specificity against Mannose.
Species	Galanthus nivalis
Source	Galanthus nivalis
Description	Galanthus nivalis lectin, unlike most mannose-specific lectins, is not a metalloprotein and does not require Ca ²⁺ or Mn ²⁺ 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 α ₂ -macroglobulin. GNL binds to many viral glycoproteins.
Form	10 mM HEPES, pH 7.5, 0.15 M NaCl, 0.1 mM Ca , 20 mM mannose, 0.08% sodium azide, 0.01 mM Mn
Bio-activity	Inhibiting/Eluting Sugar: 100 mM - 200 mM α-methylmannoside
Molecular Mass	50 kDa
Applications	Glycobiology, Affinity Chromatography
Usage	1, Wash gel thoroughly with buffer before use to remove sugar added to stabilize the

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lectin.

2, Recommended product for eluting glycoconjugates bound to this agarose-lectin: Glycoprotein Eluting Solution. Alternatively, 0.1 M α methyl mannoside can be used. For those glycoconjugates having a very high affinity for GNL, it may be necessary to lower the pH of the eluting sugar solution to pH 4.0 with acetic acid and increase the concentration of the α methyl mannoside to 0.5 M.

3, After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.

Storage Refrigerate. DO NOT FREEZE.

Concentration Protein Concentration: 3.0 mg/ml of settled gel

GENE INFORMATION

Synonyms Lectin; GNL

UniProt ID [P30617](#)

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