

Active Native Galanthus Nivalis Lectin Protein, Biotinylated

Cat. No. Lectin-1777G Lot. No. (See product label)

SPECIFICATION

Product Overview	This product is the Biotinylated 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, 0.08% sodium azide, 0.1 mM Ca ²⁺ .
Bio-activity	Inhibiting/Eluting Sugar: 100 mM - 200 mM α-methylmannoside
Molecular Mass	50 kDa
Applications	Immunohistochemistry / Immunocytochemistry, Immunofluorescence, Blotting Applications, Elispot, ELISAs, Glycobiology
Usage	For most applications, we recommend a freshly prepared working solution of 5-20

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g/ml in the above buffer.

Storage

Refrigerate; for long term storage, aliquots may be stored frozen. If a precipitate forms upon long-term storage, warm to 37 centigrade. and centrifuge before use

Concentration

2 mg/ml

GENE INFORMATION

Synonyms

Lectin; GNL

UniProt ID

[P30617](#)

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